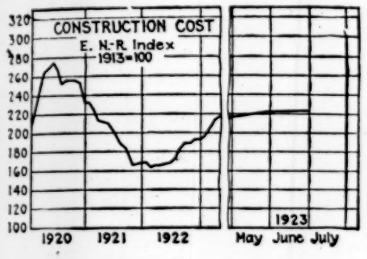
CONSTRUCTION NEWS

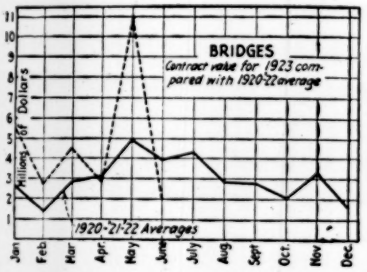
Engineering News-Record, July 12, 1923.

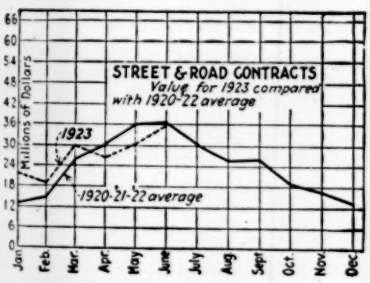
The Construction Barometer

June Contracts Heavy—Lumber Lower—Other Prices Unchanged

WHEN a number of red flags are displayed for a considerable period of time it is likely that the danger indicated will be avoided. The promised business depression may yet come, but the heed paid to the warnings seems to have postponed it. June contracts, as reported by *Engineering News-Record*, were 17 per cent heavier than for May and 2 per cent above a year ago. The charts show a recovery in the chief classes of construction, with the exception of bridges. Next week the contract volume for the various sections of the country will be shown and compared with the total for the nation.




BRIDGES
Contract value for 1923 compared with 1920-22 average
Millions of Dollars
1920-21-22 Averages
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


STREET & ROAD CONTRACTS
Value for 1923 compared with 1920-22 average
Millions of Dollars
1923
1920-21-22 average
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ending	Public Work	Private Work	Total Contracts
June 21	$15,417,000	$20,308,000	$35,725,000
June 28	15,591,000	39,696,000	55,287,000
July 5	17,438,000	13,460,000	30,898,000
3 weeks	$48,446,000	$73,464,000	$121,910,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

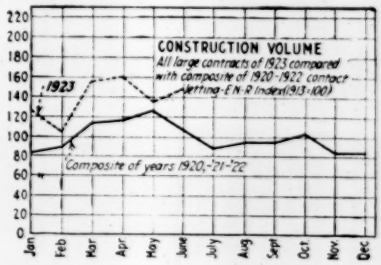
Week Ending	Public No.	Public Work	Private No.	Private Work
June 21	9	$4,636,000	28	$10,941,000
June 28	9	1,375,000	26	33,530,000
July 5	5	2,794,000	24	6,615,000
3 weeks	23	$8,805,000	78	$51,086,000

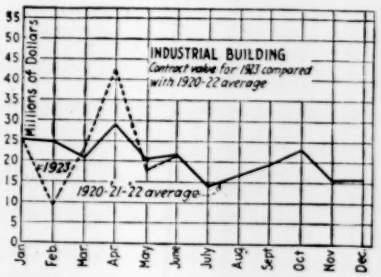
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

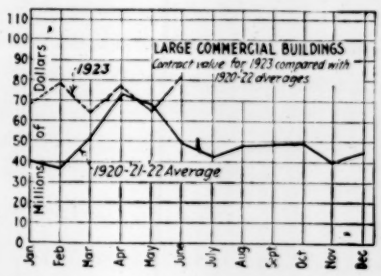
Week Ending	Private	Public All	Public Streets and Roads	Public Water-Works and Sewers	All Buildings
June 21	23	205	84	37	37
June 28	23	181	78	29	31
July 5	27	158	71	24	30

LUMBER EASIER—OTHER BASE PRICES UNCHANGED

	Quoted on July 12, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N.Y., M.ft.	58.00	59.00	July 5
Fir, San Fran., M.ft.	41.00	39.00	Apr. 5
Common labor, hr.	0.54	0.53	June 28


CONSTRUCTION VOLUME
All large contracts of 1923 compared with composite of 1920-1922 contract letting-E.N.R Index(1913=100)
1923
Composite of years 1920-21-22
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


INDUSTRIAL BUILDING
Contract value for 1923 compared with 1920-22 average
Millions of Dollars
1923
1920-21-22 average
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


LARGE COMMERCIAL BUILDINGS
Contract value for 1923 compared with 1920-22 averages
Millions of Dollars
1923
1920-21-22 Average
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 13	Akron, O.	July 12
July 16	Whitby, Ont.	July 12
July 16	Lemmon, S. D.	June 28
July 16	Brooklyn Heights (Independence P. O.), O.	July 12
July 17	Deland, Fla.	June 21
July 17	Niagara Falls, N. Y.	July 12
July 20	Graham, N. C. Adv. July 12.	July 12
July 20	Cleveland, O. Adv. July 12.	July 12
July 20	Cleveland, O.	July 12
July 20	Watertown, N. Y.	July 12
July 20	Camas, Wash.	July 12
July 21	Cleveland, O.	July 12
July 23	Aurora, Ill. Adv. July 12.	July 12
July 23	Willmar, Minn.	July 12
July 25	Ft. Worth, Tex.	July 12
July 30	Tulsa, Okla. Adv. July 12.	July 12

SEWERS

Bids Close		See Eng. News-Record
July 16	Bethlehem, Pa. Adv. July 5 and 12.	July 5
July 16	New York, N. Y.	July 12
July 16	Des Moines, Ia.	July 12
July 17	Louisville, Ky.	June 28
July 17	Delaware, O.	July 5
July 17	Niagara Falls, N. Y.	July 12
July 19	Syracuse, N. Y. Adv. July 5 and 12.	July 5
July 19	Knoxville, Tenn.	July 12
July 19	Sacramento, Calif.	July 12
July 19	Long Island City, N. Y.	July 12
July 20	Millville, N. J. Adv. July 5 and 12.	July 12
July 23	Leonia, N. J. Adv. July 12.	July 12
July 23	Los Angeles, Calif.	July 12
July 24	Toronto, Ont.	July 12
July 26	Chicago, Ill.	July 5
July 30	Los Angeles, Calif.	June 28
July 31	Wash., D. C. Adv. July 12.	July 12
Aug. 13	Arvada, Colo.	July 12

WASTE DISPOSAL

Bids Close		See Eng. News-Record
July 26	Lakewood (Cleveland P. O.), O.	July 12

BRIDGES

Bids Close		See Eng. News-Record
July 18	Phila., Pa. Adv. June 28 to July 12.	June 28
July 18	Rhode Island Adv. July 12.	July 12
July 20	Milwaukee, Wis.	July 12
July 21	Cleveland, O.	July 12
July 21	Waynesburg, Pa. Adv. July 12.	July 12
July 23	Arlington, N. Y.	July [illegible]
July 23	Requa, Calif.	July [illegible]
July 23	New York Adv. July 5 and 12.	July 12
July 24	Indiana	July 12
July 25	Kentucky	July 12
July 25	Bridgeport, Conn.	June 28
July 31	La Center, Wash.	May 3
July 31	Alabama	July 12
Aug. 1	Binghamton, N. Y. Adv. June 28 to July 12.	June 28
Aug. 1	Ansonia, Conn. Adv. July 12.	July 12

Bids Close		See Eng. News-Record
Aug. 7	Beaumont, Tex. Adv. June 28 to July 12.	July 5
Aug. 14	Charleston, S. C. Adv. July 12.	July 5
Aug. 14	Clearwater, Fla. Adv. July 12.	July 12
Aug. 15	Phila., Pa.	July 5
Nov. 30	Sydney, Australia	Apr. 19

DAMS

July 16	Beacon, N. Y. Adv. July 5 and 12.	July 5

RAILWAYS

July 15	Louisiana	July 12

EXCAVATION, DRAINAGE, IRRIGATION

July 16	New Orleans, La.	July 12
July 17	Dunkirk, N. Y. Adv. June 21 to July 12.	June 21
July 17	New York, N. Y.	July 12
July 20	Albert Lea, Minn.	July 12
July 21	Savanna, Ill.	July 12
July 26	New Orleans, La.	July 5
Aug. 1	Sioux City, Ia.	June 28

STREETS AND ROADS

July 14	Great Barrington, Mass.	July 12
July 16	East Grand Forks, Minn.	July 12
July 16	Casper, Wyo.	July 12
July 16	New York, N. Y.	July 12
July 16	Mitchell, S. D.	July 12
July 16	Iola, Kan.	July 12
July 16	Roscoe, Tex.	July 12
July 16	Utah	July 12
July 16	Plainfield, N. J.	July 12
July 16	Brooklyn Heights (Cleveland P. O.), O.	June 28
July 16	Redwood City, Calif.	July 5
July 16	Edgerton, Wis.	July 5
July 16	Michigan	July 5
July 16	Akron, O.	July 5
July 16	St. Paul, Minn.	July 12
July 16	Olney, Ill.	July 12
July 17	Niagara Falls, N. Y.	July 12
July 17	Maryland	July 12
July 17	Troy, N. C.	July 12
July 17	Michigan	July 5
July 17	Central City, Pa.	July 5
July 17	St. Louis, Mo.	July 5
July 17	Pottsville, Pa.	June 21
July 17	Florida	June 28
July 17	Fairfield, Calif.	July 12
July 17	Columbus, O.	July 12
July 17	St. George, N. Y.	July 12
July 18	Brooklyn, N. Y.	July 12
July 18	Clayton, Mo.	July 12
July 18	Michigan	July 12
July 18	Senotobia, Miss.	July 12
July 18	New Mexico	July 12
July 18	Harrisburg, Pa.	June 28
July 18	Michigan	July 5
July 18	Urbana, Ill. Adv. July 12.	July 5
July 18	Wisconsin	July 12
July 19	Michigan	July 12
July 19	Illinois	July 5
July 19	New Jersey Adv. July 5 and 12.	July 5
July 19	Michigan	July 12
July 19	Creston, Ia.	July 12
July 20	Sebring, Fla.	July 12
July 20	New York Adv. July 12.	July 12
July 20	Michigan	July 5
July 23	New Jersey Adv. July 5 and 12.	July 5
July 23	Escondido, Calif.	July 12
July 23	Michigan	July 12
July 23	Casper, Wyo.	July 12
July 23	San Diego, Calif.	July 12
July 23	White Plains, N. Y. Adv. July 5 and 12.	July 12
July 23	Hillsboro, N. D.	July 12
July 24	Minnesota	July 12
July 24	Huntington, W. Va. Adv. July 12.	July 12
July 24	Maryland Adv. July 12.	July 12
July 24	Napoleonville, La.	July 12
July 24	Michigan	July 12
July 24	West Virginia	July 12
July 25	Boonton, N. J. Adv. July 5.	June 28
July 25	Kentucky	July 5
July 25	Delaware Adv. July 12.	July 5
July 25	Virginia Adv. July 12.	July 12
July 25	Johnson City, Tex.	July 12
July 26	Michigan	July 12
July 27	Williamson, W. Va.	July 12
July 30	Passagoula, Miss.	July 12
July 31	Alabama	July 12
July 31	Wind Gap, Pa. Adv. July 12.	July 12
Aug. 2	Tallahassee, Fla. Adv. July 5 and 12.	July 12
Aug. 6	Sayre, Okla.	July 12
Aug. 7	St. Louis, Mo.	July 12
Aug. 14	Clearwater, Fla. Adv. July 12.	July 12
Jan. 17	Trenton, N. J.	July 12

Bids Close		See Eng. News-Record

INDUSTRIAL WORK

July 13	New York, N. Y.	July 5
July 17	Baltimore, Md.	July 12
July 18	New York, N. Y.	July 12

BUILDINGS

July 15	Springfield, Mo.	July 12
July 16	Louisville, Ky.	July 12
July 16	Dover, O.	July 12
July 16	Pawhuska, Okla.	June 28
July 16	Nashville, Tenn.	June 28
July 16	Chisholm, Minn.	June 28
July 16	Mansfield, Conn.	July 12
July 17	Fultonville, N. Y.	July 12
July 18	Burlington, Wis.	July 12
July 18	Painesville, O.	July 12
July 19	Long Beach, Calif.	July 12
July 19	St. Marys, O.	July 12
July 19	Denison, Tex.	July 5
July 20	Boone, Ia.	July 12
July 20	Pittsburgh, Pa.	July 12
July 20	Logan, O.	July 12
July 20	Ft. Worth, Tex.	June 28
July 20	Palmyra, N. Y.	July 12
July 21	Pittsburgh, Pa.	July 12
July 23	Texarkana, Tex.	June 28
July 24	Conrad, Pa.	July 12
July 24	Ware, Mass.	June 21
July 24	New York, N. Y.	July 12
July 25	Los Angeles, Calif.	July 12
July 31	Mt. Vernon, N. Y.	July 12
Aug. 1	Jackson, Miss.	July 5
Aug. 7	Corsicana, Tex.	June 21
Aug. 15	Dallas, Tex.	July 12
Aug. 25	Denton, Tex.	July 12
Nov. 1	Ft. Worth, Tex.	July 12

FEDERAL GOVERNMENT WORK

July 18	Extension—Pearl Harbor, H. T.	
July 18	Fire Protection System — Pearl Harbor, H. T.	June 21
July 18	Storage Facilities — Pearl Harbor, H. T.	May 31
July 19	Tanks—Memphis, Tenn. Adv. June 21 to July 12.	June 7 June 21
July 19	Dredging—New Orleans, La.	
July 20	Dredging—Galveston Tex. Adv. June 21 to July 12.	June 21 June 21
July 20	Intake Chamber, etc.—Wash., D. C. Adv. June 21 to July 12.	June 28
July 21	Dredging—Galveston Tex. Adv. June 28 to July 12.	June 28
July 21	Cement—Memphis, Tenn. Adv. July 12.	July 12
July 24	Alterations—Williamsport, Pa. Adv. July 12.	July 12
July 25	Tower—Annapolis, Md.	July 12
July 25	Screening — San Diego, Calif.	July 12
July 25	Road—San Diego, Calif.	July 12
July 27	Extension—Marion, O.	July 5
July 30	Stone—Detroit, Mich. Adv. July 5 and 12.	July 5
July 30	Breakwater—Alpena, Mich.	July 12
July 31	Dredging—Baltimore, Md.	June 28
July 31	Remodeling—Albuquerque, N. M. Adv. July 12.	July 12
Aug. 2	Excavation — Wilmington, Del. Adv. July 5 and 12.	July 5
Aug. 4	Dikes, etc.—New Orleans, La. Adv. July 12.	July 12
Aug. 6	Extension—Spartansburg, S. C. Adv. July 12.	July 12
Aug. 7	Water System, Neenah, Wis.	July 12
Aug. 7	Driveway—Fond du Lac, Wis.	July 12
Aug. 8	Buildings—St. Juliens Creek, Va.	July 12
Aug. 8	Remodeling—Concord, N. H.	July 12
Aug. 13	Dredging—Baltimore, Md.	July 12

MISCELLANEOUS

July 16	Lignin Binder — Trenton, N. J.	July 5
July 16	Power Equipment—Taylorville, Ill.	June 28
July 16	Paving Materials—St. Paul, Min.	July 12
July 17	Timber Sluice and Sheathing —Wilmington, Del.	July 5
July 20	Timber—Webb, N. Y. Adv. June 28 to July 12.	June 28
July 23	Cement—Napa, Calif.	July 12
July 24	Culvert—St. Louis, Mo.	July 5
July 24	Subway—Phila., Pa.	July 5
Aug. 1	Gas Pipe Line—Texas	July 5
Aug. 31	Cable and Accessories — Melbourne, Australia	June 21
Feb. 28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Hawthorne—Takes bids early in August extending water distributing system. $37,000. H. J. Harder, 129 Market St., Paterson, engr.

N. J., Pennington—Rejected bids June 25 for 550 lin.ft. 2 in. w.i. and 3,250 lin.ft. 4-in. c.i. mains, water pumping station, etc. Will readvertise. Remington & Vosburg, 601 Market St., Camden, engrs. Noted June 14.

N. C., Hickory—City Council plans new water system, water will be obtained from Jacobs Fork, 21 mi. distance, and carried by gravity in 16 in. pipe, 4 m.g. daily capacity. G. C. White, Durham, engr.

Tenn., Trezevant — City making plans waterworks and electric light installations along Louisville & Nashville R.R. $35,000. Address J. J. Blanks, Trezevant.

Ky., Louisville — Louisville Water Co., 435 3rd St., plans extending water system to Highland Park and South Louisville, new c.i. mains, etc. $350,000. G. W. Smith, pres.

La., Hammond—Will sell $40,000 bonds July 17 for waterworks equipment. C. C. Carter, mayor.

O., Columbus—See "Streets and Roads."

Mich., Grosse Pointe Farms (Grosse Pointe P. O.)—Making plans 3,500 ft. 6 in. c.i. main extensions. $15,000. R. H. Erley, Village Hall, engr.

Wis., Portage—Making plans brick, reinf. con. and steel filtration plant. $100,000. Pearnall, Greely & Hansen, 39 West Adams St., Chicago, engrs.

Kan., Marquette — Voted $15,000 bonds for water and light systems. Engineer not selected.

Kan., Salina—See "Sewers."

Mo., Burlington Junction—Defeated $70,000 bonds for waterworks and sewers. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs. Noted June 14.

Mo., Cameron—Defeated $75,000 bonds for waterworks and lighting system. New election soon. E. E. Harper, 3031 Park Ave., Kansas City, engr. Noted June 14.

Mo., Maysville—See "Sewers."

Mo., Piedmont — Defeated $40,000 bonds waterworks, etc. Will probably be resubmitted. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr. Noted May 3.

Tex., Dallas—See "Miscellaneous."

Tex., Paducah—Plans water supply from wells, pumps, etc. Test well being drilled. $75,000. Engineer not announced.

Ore., Bishops Meadows—See "Miscellaneous."

Calif., Tracy—See "Streets and Roads."

Ont., Islington—Etobicoke Twp. soon takes bids 1,800 ft. 12 in. c.i. pipe and standpipe water tower, 100 ft. high, 30 ft. diam., steel encased in concrete or brick. $40,000. S. Barratt, clk. R. O. Wynne-Roberts & Son, 88 Church St., Toronto, engrs.

Man., Winnipeg — See "Streets and Roads."

BIDS DESIRED

N. Y., Niagara Falls—July 17, c.i. mains in 3 streets. $15,000. W. Bennett, city engr.

N. Y., Watertown—July 20, by Black River Regulating Dist., Light and Power Bldg., clearing lands to be flowed by enlargment of Stillwater Reservoir on Beaver River. To exceed $25,000. E. S. Cullings, secy.

N. C., Graham — July 20, by Graham Water Comn., constructing clear water reservoir. Spoon & Lewis, Greensboro, consult. engrs.; adv. this issue.

O., Akron—July 13, by B. J. Hill, purch. agt., 500 valve boxes and parts.

O., Brooklyn Heights (Independence, P. O.)—July 16, 2,000 ft. 12 and 15 in. vitr. tile and 1,860 ft. 6 in. c.i. mains, 3,600 cu.yd. excav., and 17,500 sq.ft. concrete or stone sidewalk. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engrs.

O., Cleveland—July 21, by Cuyahoga Co. 4,800 ft. 14 in. c.i. siphon line across Big Creek in Co. Sewer Dist. 1. R. F. MacDowell, Court House, engr.

Waterworks (Continued)

O., Cleveland—July 20, mains in Firwood Ave. N. E., Grovewood Ave. N. E., Wayside Rd. N. E., Caine Ave. S. E., Oakfield Ave. S. E., Puritan Ave., S. E., Rexford Ave. S. E., Milverton Rd. S. E., Erin Ave. S. W., South Hills Dr. S. W., Cress Rd. S. W., Dixon Rd. S. W., East 164th, East 185th, East 88th, East 91st, East 110th, East 112th, East 124th, East 126th, East 127th, East 129th, East 130th, East 146th, East 147th, West 56th, West 103rd and West 107th Sts.

O., Cleveland—July 20, at office of Commissioner Purchases & Supplies, 219 City Hall, West Side 1st High Service Main, Sect. 1, for Division of Water. A. V. Ruggles, comr. water; adv. this issue.

O., Columbus—See "Streets and Roads."

Ill., Aurora—July 23, by J. P. Wetz, city clk., furnishing machinery and labor for drilling deep well. Adv. this issue.

Wis., Manitowoc—City taking bids 1 story, 55 x 65 ft., brick, rein.-con. and steel addition to water and light plant. F. Alter, City Hall, engr.

Minn., Willmar—July 23, by city, waterworks improvements incl. 500,000 gal. steel or concrete reservoir and pumping equipment. $35,000. Cory & LeCocq, Aberdeen, S. D., engrs. Noted May 3.

Mo., St. Louis—See "Streets and Roads."

Tex., Ft. Worth—July 25, by City Com., 6-12 in. main extensions in Hemphill Dist., Baptist Theology Seminary, Texas Christian University. $100,000. D. L. Lewis, city engr. John B. Hawley, consult. engr.

Tex., Galveston—City Comn. taking bids Alta Loma waterworks, etc., incl. 2 oil engine driven generator sets, 21 mg. wells, pipe line from wells to plant, motor driven air compressor, three 3 mg. motor driven pumps, 24 in. pipe line from pumping plant here to standpipe, 6 mg. steam pump at plant, here. $125,000. W. D. Masterson, supt. waterworks. C. A. Holt, Jr., city engr. Noted May 31.

Tex., Roscoe—See "Streets and Roads."

Okla., Tulsa—July 30, by Water Comn., furnishing pumps and boilers for Mohawk Pumping Station of Spavinaw Water Supply Project. J. D. Trammell and W. R. Holway, 508 Wright Bldg., engrs. D. H. Murray, 1445 Monadnock Block, Chicago, consult. engr.; adv. this issue. Noted June 14.

Wash., Camas—July 20, by W. E. Farr, city clk., improvements to waterworks, incl. intake structures hauling and laying about 8.5 mi. 8 in. and 10 in. welded steel pipe, 50,000 gal. steel tank, etc. Stevens & Koon, Spalding Bldg., Portland, Ore., engrs. Noted May 31.

Calif., Yuba City—City Trustees receiving bids laying 6,000 ft. 6 in. c.i. mains, 5,000 ft. 3 in. w.i. mains, separate bids for furnishing 98 tons 6 in. Class B c.i. pipe, in 16 ft. lengths, 5,000 lin.ft. 3 in. standard w.i. pipe and fittings, valves and fire hydrants. E. Von Geldern, city engr.

Ont., Whitby—July 16, by Public Utilities Comn., laying 1,000 ft. steel waterworks intake pipe. $40,000. W. J. Luke, chn. F. W. Thorald, 54 Admiral Rd., Toronto, engr. Noted July 5.

BIDS RECEIVED

Calif., Montebello—Montebello Irrigation Dist., furnishing and laying 67,500 ft. 4-18 in. riveted steel pipe, steel tower, 25 ft. high, 250,000 gal. steel tank and pumping plant, from Lacy Mfg. Co., 1000 North Main St., Los Angeles, $64,475. Noted Feb. 15.

CONTRACTS AWARDED

N. Y., Binghamton—Bd. Contr. & Supply, furnishing 3,000 ft. 6 in. c.i. pipe, to R. D. Wood & Co., Binghamton, $65.25 per ton; laying above pipe in Leroy, Evans, Frederick, De Russey and Bond Sts., Howard, Highland and Woodland Aves., to Stento & Sarafini, 84 Court St., $17,406. Noted June 21.

N. Y., New York—Park Dept., Municipal Bldg., completing pump house, sump pit and septic tank in Pelham Bay Park, Bronx Boro, to Sloane-Dickinson Corp., 136 Liberty St., $28,550. Noted June 21.

N. J., New Brunswick—For 1,000 ft. 6 in. pipe for Water Dept., to R. D. Wood & Co., 400 Chestnut St., Phila., $63.60 per ton.

Md., Frostburg—Building reservoir, to Wentworth & Co., Cumberland, $44,900.

La., LeCompte—For light and waterworks plant: machinery to Fairbanks-Morse & Co., 608-14 Magazine St., New Orleans, $23,475; reservoir, concrete foundation, and building, to Hayden Constr. Co., Pass Christian, Miss., $4,000, $15 per cu.yd., and $75,000 respectively; water well, to Gray Artesian Well Co., $4,000.

O., Columbus—See "Streets and Roads."

O., Columbus—R. W. Smith, clk. Franklin Co., 8,900 ft. 6 in. c.i. mains in Sewer Dist. Marion 2, Contr. 17, and 3,103 ft. 6 in. c.i. mains in Sewer Dist. Marion 2, Contr. 23, to H. E. Miller Contg. Co., Columbus, $16,200 and $5,702 respectively. Noted June 21.

Wis., Milwaukee—Gate house and distribution system at Riverside Pumping Station, to P. Riesens Sons, 1018 Humboldt Ave., $64,777. Noted July 5.

N. D., Fargo—Water main extensions in Holes addition, to Haggart Constr. Co., 214 Roberts St., $18,904.

Tex., Baird—For 1,000 ft. tunnel 3½ x 4 ft., 30 ft. underground, 6 in. dry well, 6 in. concrete cover, 10,000 ft. pipe, fire hydrants, digging and walling storage well, to J. U. Johnson, Eastland, and J. W. Moore, Lampasas, $45,000. Engrs. est. $50,000. Noted June 21.

Okla., Sayre—For 3 wells, pumps, motors, three 8 x 10 ft., pump houses, 1,200 ft. 4 and 6 in. c.i. pipe, 40 x 60 ft. city hall, etc., to Ajax Constr. Co., 1824 West Main St., Oklahoma City, $30,887. Noted Apr. 4.

Sewers

PROPOSED WORK

Mass., Roxbury (Boston P. O.)—Pub. Wks. Dept., Boston, soon takes bids 1,500 ft. sewer in Bradeen St., here, 18 in. underground pipe and 22 in. surface drain, both earthen pipe, and 2 ft. 3 in. x 2 ft. 9 in. concrete drain. $26,000. J. A. Rourke, comr. and city engr.

N. Y., Syracuse—Bd. Contr. & Supply, plans 613 ft. of 36 in. rein.-con. storm sewer in Erie Canal bed between Saline and Clinton Sts. $40,000. T. H. Mather, City Hall, engr.

N. J., Glen Rock (Ridgewood, P. O.)—Takes bids about Aug. 25, extending sewerage system and constructing small pumping station. $52,000. H. J. Harder, 129 Market St., Paterson, engr.

N. J., Leonia—July 23, by Mayor and Boro Council, Boro Hall, sanitary sewers, septic tank, etc. C. H. Pekerson, 47 Dean St., Englewood, engr.; adv. this issue.

Pa., Erie—Plans extension to sewerage system in G-E Dist. $25,000. F. G. Lynch, city engr.

W. Va., Huntington—City will issue $600,000 bonds for sewers, bridge and municipal improvements. W. H. Chapman, mayor.

N. C., Burlington—See "Streets and Roads."

Fla., Leesburg—Election July 17, to vote on $25,000 bonds extending sanitary sewers and $25,000 bonds extending storm sewers. W. E. Harkness, clk.

O., Columbus—See "Streets and Roads."

O., Massillon—Election in August to vote on $300,000 bonds for sewers. F. C. Tolles, Genl. Del., Akron, sanitary and civil engr.

Wis., Madison—Plans vitr. clay sewers in Johnson St. $35,000. H. C. Buser, city clk. Engineer not selected.

Wis., Milwaukee—Sewerage Comn., 508 Market St., soon takes bids on concrete foundations for 200 x 225 ft. filter house and 120 x 180 ft. drier house, both on Jones Island. T. C. Hatton, c/o owner, engr. Noted May 17.

Kan., Manhattan—Plans storm sewer in various streets. $60,000. H. W. Alexander, Manhattan, engr.

Kan., Salina—Election soon to vote on bonds for 2 mi. of 24 in. mains, pumping station and disposal plant. C. A. Haskins, 517 Finance Bldg., Kansas City, Mo., engr.

Mo., Burlington Junction—See "Waterworks."

Mo., Cameron—Defeated $60,000 bonds for sewerage system. New election soon. E. E. Harper, 3031 Park Ave., Kansas City, engr. Noted June 14.

Mo., Maysville—Election soon to vote on bonds sanitary sewerage system and extensions to water system. To exceed $30,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Mo., St. Joseph—Making plans 2 mi. sanitary sewers in Brown Branch. $240,000.

Mo., St. Louis—Bd. Pub. Serv., City Hall, received no bids July 3, 8,155 ft. 8-24 in. vitr. sewers, Harlem Creek Dist. Sewer 19, Creek Dist. Sewer 23; 305 ft. 8 and 12 in. vitr. clay sewer, Ohio Ave. Dist. Sewer 26. Glaise Creek Dist. Sewer 20 and Glaise Will readvertise. Noted June 14.

Mo., St. Louis—Soon takes bids 3,770 ft. 8-27 in. vitr. clay sewer in Harlem Dist. Sewer 22, $18,750; 4,125 ft. 48 in. brick or 2 ring segmental block, and 1,975 ft. vitr. clay sewer in Oakland Ave., $40,450. W. W. Horner, 300 City Hall, engr.

Tex., Dallas—See "Miscellaneous."

Tex., Hearne—July 24, to vote on $51,000 bonds for sewer extensions and improvements. Municipal Eng. Co., 715 Praetorian Bldg., Dallas, engr. Noted May 17.

Colo., Denver—Plans 12-72 in. vitr. concrete or brick pipe in Washington Park Storm Sewer Dist. 3. $285,370. A. K. Vickery, City Hall, engr.

Wash., Seattle—Bd. Pub. Wks. received no bids June 29, 14,525 ft. 8-15 in. clay or concrete sewer in Brandon St. et al. Will readvertise. $57,465. J. D. Blackwell, city engr. Noted June 21.

Ore., Bishops Meadows—See "Miscellaneous."

Ore., Grants Pass—Election soon to vote on $26,000 bonds for main trunk sewer from 7th St. to Rogue River. C. E. Bell, city engr.

Calif., Fresno—City will appropriate $25,000 for new wells at sewer farm. W. Stranahan, city engr.

Calif., Oakland—Had plans prepared sewers in Jackson St., 1,305 lin.ft. 12-21 in. vit. pipe, 1,131 lin.ft. 30 in. concrete pipe, 1,305 lin.ft. existing sewer to be removed, etc.; Foothill Blvd., 1,055 lin.ft. 8 in. vitr. pipe, etc. W. W. Harmon, city engr.

Calif., Santa Clara—Plans to vote on $50,000 bonds outfall sewerage system, 4,900 lin.ft. 24 in., 3,100 lin.ft. 22 in. and 20,400 lin.ft. 18 in. pipe, probably concrete or vitr. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Calif., Visalia—Had plans prepared sewage disposal plant. $50,000. L. H. Cadsby, city engr.

Ont., Riverside—Soon takes bids vitr. tile trunk sewerage system and sewage disposal plant, rein.-con. $150,000. R. W. Code, McGregor Bldg., Windsor, engr. Noted Mar. 8.

Ont., Sandwich—Preparing plans and will take bids about Aug. 1, new sewers in Bloomfield Rd., Perry and Alexander Sts. $40,000. E. R. Worth, city engr.

Ont., Simcoe—Having plans prepared and takes bids about middle of August, extending storm sewer in Chapel St. $32,000. G. R. Marston, engr.

Ont., Stratford—Having plans prepared and takes bids early in August extension of sewers in Lee, Victoria and River Aves. $35,000. A. B. Manson, city engr.

Ont., Todmorden—Having plans prepared sanitary sewerage system, about 15,000 ft. vitr. tile sewer, mostly 8 in., and concrete sewage disposal system. $40,000. R. O. Wynne-Roberts & Son, 88 Church St., Toronto, engrs.

Man., Winnipeg—See "Streets and Roads."

BIDS DESIRED

N. Y., Long Island City—July 19, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Hayes Ave., 25th and 27th Sts., 2nd Ward.

N. Y., Niagara Falls—July 17, sewers in 5 streets. $25,000. W. Bennett, city engr.

N. Y., New York—July 16, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in Pelham Parkway S, Olmstead, Matthews and Randall Aves.; excavating and removing parts of existing sewer in Exterior St.

N. J., Millville—July 20, West Millville sewage pumping station, South Millville pump house and c.i. force main. N. B. Wade, city engr.; adv. this issue.

D. C., Wash.—July 31, by Dist. Comrs., 3,200 lin.ft. sewers; adv. this issue.

Tenn., Knoxville—July 19, by J. L. Geer, recdr. of deeds, sewers in South Knoxville. $60,000. F. M. Maloney, city engr.

O., Columbus—See "Streets and Roads."

Ia., Des Moines—July 16 by A. E. McGlothlen, clk., Southwest Sewerage System, 37,317 lin.ft. 10-24 in. vitr. clay pipe and 27,100 lin.ft. 27-48 in. segmental clay block, brick or concrete circular sewer, etc. $600,000. K. C. Kastberg, city engr. Noted July 5.

Mo., Carrollton—July 24 to vote on $50,000 bonds 6-21 in. sewers. Private plans.

Colo., Arvada—Aug. 13, by City Clerk, 30,000 ft. 8 in. vitr. pipe, necessary manholes, etc., in Sanitary Sewer Dist. 1. $49,000. Brew & Sydow, Kittridge Bldg., Denver, engrs.

Sewers (Continued)

Calif., Los Angeles—July 23, by Supervs. Los Angeles Co., furnishing and installing 2 sewage pumps with piping, and equipment for septic tank, 1 Imhoff tank, etc.

Calif., Sacramento — July 19, by City Comrs., sewers in 7th St. alley between D and E Sts. to U St., removing and replacing 22,930 sq.ft. pavement, 6,930 lin.ft. ditching and backfilling trench, 4,360 lin.ft. vitr. ironstone sewers, 3,570 lin.ft. monolithic rein.-con. sewers, etc. $50,000. A. Givan, city engr.

Calif., Tracy—See "Streets and Roads."

Ont., Toronto—July 24, by C. A. Maguire, mayor, City Hall, supplying and erecting two 2,880,000 gal. centrifugal sewage pumps direct connected to electric motors. $30,000. R. C. Harris, city engr.

BIDS RECEIVED

O., Akron—W. F. Peters, dir. Pub. Serv., July 2, 890 ft. 12-24 in. vitr., 790 ft. 30 and 39 in. (a) brick or (b) segmental block sewer in (1) Aqueduct St.; 1,010 ft. 12-20 in. vitr. and 400 lin.ft. 30 in. (a) brick or (b) segmental block sewer in (2) North Main St., 2,115 ft. vitr. and 1,595 ft. 30-54 in. (a) brick or (b) segmental block sewer in (3) West Market St., 330 ft. 12 in. vitr. and 1,025 ft. 48 in. (a) brick or (b) segmental block sewer in (4) Palisades Dr., from E. and W. McShaffrey Co., 514 Rhodes Ave., (1a) $13,735 (1b) $13,578 (2a) $10,438 (2b) $10,088; C. Ruhlin, 518 Metropolitan Bldg., (3a) $53,843 (3b) $45,312 (4a) $21,255 (4b) $13,235. Noted June 21.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., July 2, sewer in west side of Amsterdam Ave., etc., from Melrose Constr. Co., 230 East 162nd St., $55,000. Noted June 28.

O., Cleveland—Cuyahoga Co., June 27, 4,000 ft. of 27 x 33 in. egg shape outfall sewer in Ridge Rd. Impvt. 20, Sect. C. of Co. Sewer Dist. 1, from Manson Co., Sewer Contractors Exch., The Arcade, $56,000. Noted June 21.

O., Garfield Heights (Bedford, P. O.)—For 7,000 ft. 30 and 36 in. outfall sewer, from Manson Co., Sewer Contractors Exch., The Arcade, Cleveland, segmental block, $78,363, brick $84,804. Noted June 14.

Mich., Springwells—Constructing sewers, from Cusino-Mercier, 616 Hammond Bldg., Detroit, Sect. 2, 8,845 ft. 12-22 in. sewer, 28 manholes, $20,280, Sect. 5 5,234 ft. 12-24 in., 14 manholes, $13,000, Sect. 6 6,287 ft. 12-24 in., 21 manholes, $15,175, Sect. 7, 6,097 ft. 12-24 in., 24 manholes, $21,500; from Hammen & Co., 2631 Woodward Ave., Detroit, Sect. 3, 7,230 ft. 8-12 in., 23 manholes, $18,755; from Coolsaet Bros., 911 Detroit Savings Bank Bldg., Detroit, Sect. 4, 2,983 ft. 12-27 in, 11 manholes, $14,729; from A. Arcari, Detroit, Sect. 8, 5,248 ft. 12-22 in., 23 manholes, $20,923.

Mo., St. Louis—Bd. Pub. Serv., City Hall, 3,700 ft. 8-36 in. vitr. sewer, South Gravois Sewer 4, from United Constr. Co., Pontiac Bldg., $22,391, engrs. est. $19,785; 9,920 ft. 8-42 in. vitr. and brick sewer, Harlem Creek Dist. Sewer 18, from Hogan Contg. Co., Chemical Bldg., $56,286, $50,700; 4,080 ft. 12-24 in. vitr. clay sewer, Rock Creek Dist. Sewer 8, from Blackburn-Creamer, Syndicate Trust Bldg., $20,679, $20,800; 4,045 ft. 8-18 in. vitr. clay sewer, Arloe Dist. Sewer 3, from Grant-Meinert, St. Louis, $11,588, $14,520; 1,150 ft. 8-21 in. vitr. clay sewer, Grand Ave. Dist. Sewer 27, from Frazier-Davis Constr. Co., Arcade Bldg., $5,959, $5,000; 2,500 ft. 24-42 in. brick and vitr. clay sewer, Sublette Ave., from G. G. Prendergast, 6157 Wagner St., $20,406, $21,320. Noted June 14.

CONTRACTS AWARDED

N. Y., Gloversville—For 5,186 ft. 8-15 in. vitr. tile sewer in East 9th and Kingsboro Aves., Newman and East State Sts., also West 12th Ave., to F. Sheehan, 446 Yates St., Albany, $33,744 and $3,233 respectively.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., storm sewer in 32nd Ave., to Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, $125,786. Noted July 5.

N. Y., New York—J. Miller, pres. Manhattan Boro Municipal Bldg., sewers in west side of Amsterdam Ave. from West 190th St. to Ft. George Ave., to Melrose Constr. Co., 103 East 125th St., $55,000. Noted June 28.

Fla., Miami Beach—To J. B. McCrary Eng. Co., 3rd Natl. Bank Bldg., Atlanta, Ga., extending sanitary sewers, 8 in. terra cotta pipe, $55,149, 15 and 21 in. concrete pipe, $30,000; extending storm sewers, 24 in. concrete pipe, $21,993.

O., Columbus—See "Streets and Roads."

Mich., Springwells — To Cusino-Mercier, 616 Hammond Bldg., Detroit, sewers in Sect. 2, 8,845 ft. $20,280, Dist. 5, 5,234 ft. $12,000, Dist. 6, 6,287 ft. $15,175, Dist. 7, 6,197 ft. $21,500; to Hammen & Co., 4612 Woodward Ave., Detroit. Dist. 3, 7,578 ft. $18,755; to Coolsaet Bros., 911 Detroit Savings Bank Bldg., Detroit, Dist. 4, 3,483 ft. $14,729; to A. Arcari, Detroit, Dist. 8, 5,248 ft. $20,923. Noted July 5.

Tex., Ft. Worth—For 2 extra filter beds in sewage disposal plant on Trinity River near Sycamore Heights, to McKinzie Constr. Co., 302 West Mulberry St., San Antonio, $400,000.

Okla., Oklahoma City—For 1 mi. storm sewers in Pottawatomie Ave. from Lee St. to Atchison, Topeka and Santa Fe R.R. tracks, to Municipal Excavator Co., 200 East Main St., $30,000.

Wyo., Casper—To Gordon Constr. Co., Casper, 15,856 ft. 8 in. vitr. clay pipe in trenches from 0-30 ft. deep, prices range from $0.82 to $8.80, 2,500 cu.yd. earth fill $0.66, etc., total $41,473 (cash).

Ont., Hamilton—Vitr. tile sewers in Paisley, Barclay and Vansittart Aves., to Webster Constr. Co., 136 Carling St., London, and J. D. Armstrong, 871 Main St., E., Engrs. est. $45,000. Noted June 14.

Ont., Owen Sound—For 5,000 ft. of 12-42 in. sewers, to Mitchell Contg. Co., 43 Elmwood Ave., London. Prices wanted on concrete and vitr. pipe. Engrs. est. $38,000. Noted May 31.

Waste Disposal

PROPOSED WORK

Wis., Racine—City, c/o W. W. Johnston, health comr., City Hall, plans 1 story, 60 x 90 ft. addition to garbage disposal plant, rein.-con., brick and steel, plain foundation. Architect and engineer not selected.

BIDS DESIRED

O., Lakewood (Cleveland P. O.)—July 26, garbage disposal plant, 100,000 lb. daily capacity. $88,500. E. A. Fisher, City Hall, engr. Noted May 10.

CONTRACTS AWARDED

Tex., Austin—Election soon to vote on $25,000 bonds for incinerator. W. D. Yett, mayor.

Bridges

PROPOSED WORK

N. Y., Far Rockaway—Atlantic Beach Associates, Inc., making plans 1,900 ft. rein.-con. highway bridge, wood trestle approaches, double leaf bascule span. $300,000. J. R. Spelman, 405 Lexington Ave., New York City, consult. and superv. engr.

W. V., Huntington—See "Sewers."

N. C., Charlotte—Mecklenburg Co. plans bridges on its highway system. $100,000. T. Griffith, chn. co. Hy. Comn.

Fla., Jacksonville — Florida East Coast Ry., St. Augustine, takes bids about Aug. 10, reconstructing bridge over St. Johns River, here, present bridge is single track, new one to be double track, concrete piers, 3 of which will probably be placed by pneumatic caisson and remaining in open coffer dams, H. N. Rodenbaugh, St. Augustine, genl. mgr.

Fla., Sarasota—Manatee Co. election July 17, to vote on $25,000 bonds for several concrete bridges along State Rd. 5. O. E. Roesch, co. clk.

Ala., Eufaula—Plans ½ mi. bridge over Chattachoochee River. $400,000.

O., Akron—City plans steel and concrete bridge, 10 ft. wide, Buchtel Ave., $250,000; steel and concrete bridge, 66 ft. wide, near Center St., $800,000; steel and concrete bridge, 88 ft. wide, Exchange St., $950,000. M. P. Tucker, mgr.

Michigan—See "Streets and Roads."

Wis., Madison—Plans rein.-con. bridge over Illinois Central R.R. tracks on Allen St. $25,000. H. C. Buser, city clk. Engineer not selected.

South Dakota—State Hy. Dept., Pierre, plans, 1,484 ft. concrete and steel bridge over Missouri River, near Mobridge, on Federal Aid Project 155, Corson and Walworth Counties. $281,565. F. D. Hudgins, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans one 75 ft. steel truss, six 40 ft. rein.-con. deck girder and three 20 ft. rein.-con. slab spans, etc., over tracks of Missouri, Kansas & Texas Ry., Callaway Co. To exceed $25,000. B. H. Piepmeier, state highway engr.

Mo., Mexico—Making plans 700 ft. rein.-con. bridge with steel span, 24 ft. roadway, 5 ft. walks. $75,000-$100,000. E. Flad & Co., Chemical Bldg., St. Louis, engrs.

Tex., Marlin—See "Streets and Roads."

Oregon — Oregon, Washington Ry. and Navigation Co., Wells-Fargo Bldg., Portland, plans bridge over Columbia River at Kennick, $1,012,221; also other bridges to cost $984,809. S. Murray, asst. ch. engr., in charge of work.

Ore., Portland—Had plans prepared East 33rd St. viaduct, rein.-con. $10,000. O. Laurgaard, city engr.

Calif., Los Angeles—City, Los Angeles Co. and Railways, having plans prepared rein.-con. viaduct over Los Angeles River on 9th St., 70 ft. wide, 3 arches, long approaches and 6 piers. $1,000,000. City's share $200,000.

Ont., Toronto—York Twp. plans 400 ft. bridge, 20 ft., probably rein.-con., on Bathurst St. north of St. Claire Ave. $140,000. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

Rhode Island—July 18, by State Bd. Pub. Roads, Providence, constructing state bridges 27, 45, and 189 in West Warwick, Hopkinton-Richmond and Cumberland; adv. this isue.

Conn., Ansonia—Aug. 1, by Bd. Pub. Wks., City Hall, reconstructing bridge on Maple St. P. B. Clarke, city engr.; adv. this issue. Noted Mar. 15.

N. Y., Arlington—July 23, by L. Jackson, town supt. of Poughkeepsie, at Arlington Fire House, Arlington, constructing Manchester Bridge over Wappingers Creek; adv. this issue.

New York — July 23, by Bronx Parkway Comn., 72 West Penfield Rd. Bronxville, driveway bridges 38, 39, and 40, north of White Plains railroad station, Contr. 66, Bridges 42, 43 and 47, near North White Plains, Contr. 67; Bridge 35, over Bronx River Parkway Dr., Main St., White Plains, Contr. 57; Bridge 16, Tuckahoe Rd., near Tuckahoe, Contr. 49. L. G. Holleran, deputy ch. engr.; adv. this issue.

Pa., Waynesburg—July 21 by Comrs. Greene Co., rein.-con. bridge over Ten Mile Creek; R. I. Lemley, clk. T. B. Dinsmore, co. engr.; adv. this issue.

Virginia—See "Streets and Roads."

Fla., Clearwater—Aug. 14, by Bd. Comrs. Pinellas Co., 7 concrete deck girder bridges, 10 concrete flat slab bridges, also 1 creosoted timber bridge, in connection with 25 ft. single leaf steel lift span, etc. C. E. Burleson, co. engr.; adv. this issue. Noted May 10.

Alabama—July 31, by W. S. Keller, state highway engr., Montgomery, bridges on Dublin-Orion Rd., Montgomery Co., alternate bids on (1) using treated timber 230,080 ft. treated timber structures, 8,000 lin ft. treated timber piles, 3,308 sq.yd. 1½ in. bituminous surfacing cold mix (2) 1,670 cu.yd. concrete, 235,581 lb. reinforcing, 3,848 lin.ft. concrete piles, 1,714 sq.yd. 1 in. concrete surfacing, 1:2:3½ mix. Noted June 21.

Kentucky—July 25, by State Hy. Dept., Frankfort, concrete bridge over Blackwater Creek, Federal Aid Project 95, Morgan Co., five 40 ft. spans; 170 concrete bridge over Graney Creek, Federal Aid Project 95, Morgan Co., five 34 ft. spans; 100 or 120 ft. bridge over Triplett Creek, Federal Aid Project 67, Rowan Co., 100 ft. steel span or four 30 ft. concrete spans; 108 ft. concrete bridge over Bank Lick Creek, State Project 62, Kenton Co., two 34 ft. and one 40 ft. spans. J. S. Boggs, state highway engr.

O., Cleveland—July 21, by Cuyahoga Co. concrete bridge, Hillside Rd., 1,119 cu.yd. concrete, 37,800 lbs. steel, etc., $68,385. F. Lander, Court House, engr.

Indiana—July 24, by J. D. Williams, dir. State Hy. Comn., Indianapolis, one 150 ft. and one 198 ft. steel truss bridge, over Eel River, on State Rd. 9-1, Clay Co. $75,000. G. F. Burch, state bridge engr. Noted Apr. 26.

Michigan—See "Streets and Roads."

Wis., Milwaukee—July 20, by Dept. Pub. Wks., double leaf trunnion, 267 ft., bridge, (1 span) on State St., concrete and pile abutments and piers. $400,000. M. C. Cutler, City Hall, engr.

Minnesota—See "Streets and Roads."

Calif., Requa—July 23, by State Hy. Comn., Sacramento, 100 ft. bridge over Wilson Creek near here, Del Norte Co., two 30 ft. and two 20 ft. rein.-con. girder spans, rein.-con. bents, etc. R. M. Morton, Forum Bldg., Sacramento, state highway engr.

Bridges (Continued)

BIDS RECEIVED

Maryland—State Rds. Comn., Baltimore, rein.-con. arch span over Catoctin Creek, near Middletown, Frederick Co., 85 ft. span, 24 ft. clear roadway, Contr. F-58, from Luten Bridge Co., York, Pa., $24,599; 40 ft. clear span, 24 ft. clear roadway, at Bynum Run, near Belair, Hartford Co., Contr. H-35, from P. C. Streett Eng. Co., 406 St. Paul St., Baltimore, $14,035. Noted June 21.

North Carolina — State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 702 B, Alleghany Co. and State Project 672, Rowan Co., from Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn., $28,232 and $29,631 respectively; State Project 750 B, Stokes Co., from Atlantic Bridge Co., Roanoke, Va., $87,681; State Projects 189, 230 and 293, Pitt, Greene and Wilson Counties, from Public Service Production Co., Terminal Bldg., Newark, N. J., $58,644; State Project 836, Henderson Co., from W. M. Brown & Co., Sylva, $47,573; State Projects 851 and 889, McDowell Co., from R. W. Curtis, Lynchburg, Va., $40,742; State Project 141, Edgecombe and Halifax Counties, from J. A. Peterson, Wadesboro, $64,008; State Project 302, Bladen Co., from Hardaway Constr. Co., 909 Elizabeth Ave., Charlotte, $334,713; State Project 213, Craven Co., from Eagle Eng. Co., New Bern, $55,287. Noted June 21.

North Carolina—State Hy. Comn., Raleigh, clearing and grading 18.98 mi. road between Marion and Micaville on Route 19, State Projects 851 and 889, McDowell Co., from W. H. Anderson Constr. Co., Spruce Pine, $386,254, 9.1 mi. between Hendersonville and Buncombe Co. line on Route 29, State Project 836, Henderson Co., from J. B. Hawkins, 310 South Cedar St., Charlotte, $58,870; clearing, grading and topsoiling 11.58 mi. between Boxboro and Granville Co. line on Route 57, State Project 464, Person Co., from Michaux Constr. Co., Morganton, $56,604, 18.93 mi. between Whitakers and Halifax on Route 40, State Project 141, Edgecombe and Halifax Counties, from J. R. Dicus, Robersonville, $128,143. 6.42 mi. between Northampton Co. line and Aulander on Route 305, State Project 146, Bertford and Bertie Counties, from J. F. Mulligan, North Wilkesboro, $35,165; grading and topsoiling 3.83 mi. between Person Co. line and Berea on Route 57, State Project 431, Granville Co., from Michaux Constr. Co., Morganton, $23,599, 1 mi. approaches to brige over Cape Fear River near Elizabethtown, State Project 302, Bladen Co., from Y. F. Bamber, Bamberg, S. C., $33,240, 6.49 mi. between Sparta and Ashe Co. line on Route 69, State Project 702 B, Alleghany Co., from Turner-Hartsoe Constr. Co., Warrensville, $146,075; clearing, grading, rein.-con. bridges and culverts and topsoiling 16.29 mi. between Jackson and Hertford Co. line toward Ahoskie, State Project 168, Northampton Co., from N. L. Teer, Durham, $87,390, 8.64 mi. between Big Creek and Danbury via Moores Springs, State Project 750 B, Stokes Co., from R. E. Martin, Mountain City, Tenn., $17,962; grading and concrete paving 3.83 mi. between Duke and Dunn on Route 60, State Project 438, Harnett Co. and 3.54 mi. between Cleveland and Iredell Co. line on Route 70, State Project 672, Rowan Co., from J. M. Gregory, Pittsboro, $119,577 and $128,061 respectively, 19.69 mi. between Wilson and Bynum via Farmville on Routes 91 and 12, State Projects 189, 230 and 293, Pitt, Greene and Wilson Counties, from Smith Bros. Inc., Dallas, Tex., $680,075; clearing, grading and rein.-con. bridges and culverts on 3.83 mi. between Peachland and Polkton on Route 20, State Project 608 B, Anson Co., from B. F. Teeter, Harrisburg, $29,780, 4.89 mi. between Glen Alpine and Bridgewater on Route 10, State Project 812, Burke Co., from M. A. Kollock, Morganton, $46,489; grading, reconstructing and asphaltic paving 9.92 mi. around town of Wilson, State Project 295, Wilson Co., from R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $200,593; grading, waterbound macadam paving, rein.-con. bridges and culverts on 5.68 mi. between Newland and Elk Park on Route 175, State Project 802, Avery Co., from Hughes & Ray, Newland, $174,-005; grading and waterbound macadam paving 10.43 mi. between Ft. Barnwell and Jasper on Route 10, State Project 213, Craven Co., from Eagle Eng. Co., New Bern, $351,125, 3.07 mi. in and near Mt. Gilead on Route 51, State Project 556, Montgomery Co., from J. F. Mulligan Constr. Co., North Wilkesboro, $61,558, 4.03 mi. between Graham and Randolph Co. line on Route 62, State Project 507, Alamance Co., from J. M. Gregory & Co., Pittsboro, $118,227; grading and asphaltic paving 5.83 mi. between Hendersonville and Tuxedo Station on Route 29, State Project 837 B, Henderson Co., from Dixon Contg. Co., Real Estate Bldg., Savannah, Ga., $75,557. Noted June 14.

Ia., Newton—Jasper Co., two 32x18 ft., two 32x20 ft. and one 36x18 ft. I-beam spans, one 40x18 ft. concrete girder, one 60x18 ft. pony truss and re-erection two truss spans, from Jensen Constr. Co., $38,445.

Ore., Mt. Vernon—State Hy Dept., Salem, 5 concrete and steel bridges over John Day River, here, from Monson-Trierweiler Co., Ry. Exch. Bldg., Portland, 40 cu.yd. Class A and 215 cu.yd. Class B concrete $28,270,000 lb. structural steel $0.109, etc., total, $53,315.

CONTRACTS AWARDED

Mass., Haverhill—Haverhill Lower Bridge Comn., bridge across Merrimac River, to H. P. Converse & Co., 161 Devonshire St., Boston, $779,833. Contract does not include draw span, same will be advertised. Noted June 21.

N. Y., Gouverneur—St. Lawrence Co. (Canton) concrete arch bridge over Oswegatchie River, at Scotts Bridge, to G. W. Thompson Co., Gurney Bldg., Syracuse, $31,500.

N. Y., Norwich—S. C. Nelson, Jr., clk., South Broad St. bridge over Canasawacta Creek, to F. M. Lewis Son, Afton, $25,228. Noted June 7.

Pa., Elizabethville—Dauphin Co. (Harrisburg), rein.-con. bridge, three 38 ft. 5 in spans, 20 ft. roadway, here, to Whittaker & Diehl, Union Trust Bldg., Harrisburg, $33,890.

Maryland—State Rds. Comn., Baltimore, rein.-con. arch bridge, 85 ft. span, 24 ft. clear roadway, over Catocin Creek near Middletown, Frederick Co., Contr. F-58, to Luten Bridge Co., York, Pa.; $24,599; 40 ft. span, 24 ft. clear roadway, at Bynum Run near Bel Air, Harford Co., Contr. H-35, to Consolidated Eng. Co., Calbert Bldg., Baltimore, $8,874. Noted June 21.

Alabama—See "Streets and Roads."

Alabama—State Hy. Dept., Montgomery, small creosoted timber bridges on Gadsden-Birmingham Highway, St. Clair Co., to W. C. Howten, Oneonta, $49,196; engrs. est. $50,000; on Gadsden-Birmingham Highway, Marengo Co., to Bosworth, Smith & Co., 1st Natl. Bank Bldg., Montgomery, $75,438; engrs. est. $80,000. Noted June 7 and 28.

Alabama—State Hy Dept., Montgomery, concrete slab, Village Creek, Blount Co., to W. T. Weaver, Collinsville, $47,432. Noted June 7.

Mississippi—See "Streets and Roads."

Ky., Louisville—Bd. Park Comrs., Bridge 6, near Barnet Hill in Cherokee Park, concrete arch, stone coping, etc., to H. Bickel Co., 443 Garden St. Archts. est. $25,000. Noted May 17.

Ohio—See "Streets and Roads."

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, constructing bridges **c means concrete, s steel, c s concrete span, sub. substructure, super superstructure,** to D. W. Carmine Constr. Co., Sullivan, **1 c 4-26-26B Sangamon** means **(1 concrete, Route 4, Federal Aid Project 26, Sect. 26B Sangamon Co.)**, $9,583; Hartman-Clarke Bros. Co., Dwight, 1 sub and 1 c 7-55-13B Bureau, $16,313; L. C. Kessler, Herrick, 4 c and 1 sub 2-0-21B Fayette, $19,003, 3 c 2-0-22B Fayette, $26,-651; St. Louis Structural Steel Co., 802 Bank of Commerce Bldg., St. Louis, Mo., 1 super 2-0-21C Fayette, $7,645, 2 super 3-0-52C Greene, $14,497; F. E. Marsh Co., Jefferson, Ia., 3 c 2-0-37B Ogle, $49,371; A. Culberson, Oconee, 2 c 2-0-43B Christian, $8,084; C. Taggart, Martinsville, 1 c 2-0-44B Christian, $8,220, 1 c 2-0-45B Christian, $19,510; C. H. Schadt, Silvis, 1 c 3-0-19B Rock Island $4,484; Herrick Constr. Co., Carlinville, 1 c 3-51B and 1 s and 6 c 3-0-52B Greene, $57,213; F. Kaney, Forreston, 1 c 5-0-24B Jo Daviess, $9,419; D. Warner, Polo, 4 c 6-0-51B Lee, $8,198; Continental Bridge Co., Monadnock Blk., Chicago, 1 super 7-55-13C Bureau, $5,942; D. Keef, Low Point, 1 c 8-0-34B Woodford, $9,329; J. B. Lyon, Robinson, 4 c, 19 c s and 3 sub, 12-0-9B Richland-Clay, $162,133, 7 c 33-0-1B Crawford, $32,765; Vincennes Bridge Co., Vincennes, Ind., 3 super 12-0-9C, Richland-Clay, $34,274; W. Behridt & Son, St. Peter, 2 c 12-0-13B Marion, $36,-231; W. H. Shons, South Liberty Ave., Freeport, 1 sub. 16-0-11B Shelby, $26,034; Illinois Steel Bridge Co., Jacksonville, 1 super 16-0-11C Shelby, $36,497; M. Frazier, Louisville, 3 c 25-0-10B Wayne, $14,427; Sheldon Constr. Co., Putnam Bldg., Davenport, Ia., 2 c 28-0-10B Henry, $14,884; V. O'Connor, Newton, 14 c s and 1 s 33-0-4B Jasper, $56,514. Noted May 24.

Ia., Des Moines—Polk Co., one 40 x 24 ft., one 38 x 18 ft., two 36 x 18 ft. and one 40 x 18 ft. concrete girder spans, one 10 x 10 ft. concrete box culvert and one 100 x 18 ft. steel truss, to N. M. Stark & Co., 1213 Mulberry St., $37,212. Noted June 28.

Ia., Tipton—Cedar Co., to V. L. Hanssen, Monticello, 34 box and 1 circular culvert, 2 I beams, 3 pair abutments, $22,791; A. P. Munson, Marion, 29 box and 1 circular culvert, 2 I beams and 2 pair abutments, $21,928.

South Dakota—See "Streets and Roads."

Colorado—See "Streets and Roads."

Wash., Toledo—Van Ness Lumber Co., 600 ft. steel and concrete bridge across Cowlit River, two 150 ft. steel spans on concrete piers, with 300 ft. trestle approaches, to Union Bridge Co., Central Bldg., Seattle, $62,000.

Oregon—State Hy. Comn., Salem, embankment approaches to Lewis and Clark Bridge, on Roosevelt Coast Highway, Clatsop Co., 36,500 cu.yd. embankment and 3,000 cu.yd. riprap, to Pacific Bridge Co., foot of East Salmon St., Portland, $26,148; concrete and steel bridge over Applegate River, Grants Pass, Josephine Co., to Union Bridge Co., Fenwick St., Kenton, Portland, $21,768. Noted June 14.

Dams

PROPOSED WORK

N. Y., East Creek—See "Miscellaneous."

Ky., Danville—See "Miscellaneous."

Wisconsin—See "Miscellaneous."

Calif., Oroville—Thermalito Irrigation Dist. having plans prepared Concow Dam, 75 ft. high (ultimately 166 ft.), 240 long on crest, concrete, arch type, involving 3,000 cu.yd. concrete. To exceed $45,000. S. J. Norris, Oroville, engr.

CONTRACTS AWARDED

N. Y., Glens Falls — Moreau Mfg. Co. dam and power house, at Feeder Dam, 1½ mi. north of here, to Parklap Constr. Co., Glens Falls, $1,000,000.

N. Y., Heuvelton — See "Industrial Works."

Railways

PROPOSED WORK

Connecticut—Connecticut Co., 185 Church St., New Haven, plans laying 1,000 ft. track on Huyshope Ave. from Masseek to Aricombe Sts., and also spur tracks in Hartford. $100,000.

Kentucky—Louisville & Nashville R.R. Co., 10th St. and Bway., Louisville, plans second tracking 15.47 mi. from Perritt to Lennut on Eastern Kentucky Div. $1,596,-000. W. H. Courtenay, ch. engr.

Tex., Ft. Worth—See "Industrial Works."

Oregon—Oregon, Washington Ry. and Navigation Co., Wells-Fargo Bldg., Portland, will expend $1,228,345 for cars and engines, $893,482 rails and renewals, $757,-820 roadway, $181,825 shops and tools, $136,600 stations, $224,425 fuel oil stations, and $547,754 miscellaneous work. S. A. Murray, asst. ch. engr., in charge of work.

Ore., Bishops Meadows—See "Miscellaneous."

BIDS DESIRED

Louisiana—July 15, at Superintendents Office of Alexandria & Western Ry. Co., Alexandria, new extension from McFarland to connect with Thomas Gravel Co. tracks, approximately 5 mi. west, also roadbed for yard tracks and sidings, 31,533 cu.yd. earth excav., 29,000 ft. creosoted lumber, 18,000 ft. untreated pine culverts, etc.

CONTRACTS AWARDED

New York—Transit Comn., 49 Lafayette St., New York City, switch back track and other miscellaneous work east of Queensboro Plaza Station, Corona Branch, Queensboro Rapid Transit R.R., Queensboro, Routes 36 and 37, Sect. 1, to B. T. and J. J. Mack, Inc., 200 Bway., New York City, $28,562. Noted June 28.

Missouri—St. Louis & San Francisco R.R., Frisco Bldg., St. Louis, approximately 8 mi. mechanical and storage tracks (75 lb. and 90 lb. rails), in conjunction with new Lindenwood roundhouse and repair shops, to List & Gifford Constr. Co., Merchants-Laclede Bldg., St. Louis.

Texas—Northern Texas Traction Co., 3 mi. track extension to Oakland Div. through Sycamore Heights to city limits, paving and double tracking part of Forest Pk.

Railways (Continued)

Blvd., also 14,000 ft. extension to Riverside Line, in Ft. Worth, to Stone & Webster, Inc., 147 Milk St., Boston, Mass., $416,000.

California—Atchison, Topeka & Santa Fe Ry. Co., Kerchkoff Bldg., Los Angeles, 3 mi. spur in vicinity of Torrance oil fields, to Sharf & Fellows, Central Bldg., Los Angeles, $175,000.

Excavation, Drainage Irrigation

PROPOSED WORK

N. Y., Far Rockaway—Atlantic Beach Associates, Inc., plans dredging 600,000 cu. yd. sand fill. J. R. Spelman, 405 Lexington Ave., New York City, consult. and superv. engr.

N. Y., New York—J. H. Delaney, comr. Docks, Pier "A" North River, rejected bids on item 4, dredging at street cleaning dumps in Boros of Manhattan and Brooklyn; received no bids on item 2. Will readvertise. Noted July 5.

Ky., Owensboro—Daviess Co. Drainage Comn. soon takes bids 250,000 cu.yd. earth excav., small bridges, ditches, etc. $75,000. R. H. Ford, Owensboro, drainage comr.

Wis., Cedarburg—Farm Drainage Bd. plans 2½ mi. 8-12 in. tile drain west of here. $25,000. G. S. Hales, Court-House, Port Washington, secy. Engineer not selected.

Wis., Ixonia—Jefferson Co. Drainage Bd. (Jefferson) plans system to drain 4,160 acres, 6-22 in. tile drain and several miles open ditch. $53,000. J. W. Puerner, Jefferson, secy.

Wis., Mequon—Farm Drainage Bd. plans 22,000 ft. 6-22 in. vitr. tile drain, Ozaukee Co. $25,000. G. S. Hales, Court House, Port Washington, secy. Engineer not selected.

Minn., Houston—Houston Co. Drainage and Conservancy Dist. 1, having preliminary plans prepared 1,292,644 cu.yd. in levees, 219,365 cu.yd. in ditch excav. and 63,500 cu.yd. much excav., also pumpong station 80,000 g.p.m. capacity. $428,000. Central States Eng. Co., 602 Laurel Bldg., Muscatine, Ia., engrs.

Kan., Wichita—City having preliminary surveys made on north end of drainage district near here, to afford flood protection to industrial section. C. E. Jacoby, Shuckert Bldg., Kansas City, Mo., engr.

Tex., Ft. Hancock—Hudspeth Co. Irrigation Dist., c/o J. S. Spears, plans irrigation canal with neecssary laterals to reclaim approximately 30,000 acres. Engineer not selected.

Ore., Sutherlin—Comrs. Sutherlin Valley Irrigation Project take bids in August or September, for system to drain and irrigate 4,225 acres in Calapooia Valley. $200,000. W. J. Ladd, pres. Stevens & Koon, 1202 Spalding Bldg., Portland, engrs.

BIDS DESIRED

N. Y., New York—July 17, by J. H. Delaney, comr. Docks, Pier "A," foot of Battery Pl., dredging slip between Piers 61 and 62, North River. Contr. 1812.

La., New Orleans—July 16, by Bd. Port Comrs., 200 New Court Bldg., hydraulic dredging from 750,000-1,500,000 cu.yd. in Inner Harbor Navigation Canal between lock and Louisville & Nashville R.R. bridge.

Ia., Sioux City—Aug. 1, at office W. M. Pritchard, and Woodbury Co., improvements in Garretson D. D. 1; adv. this issue.

Minn., Albert Lea—July 20, by C. Holway, aud. Freeborn Co., Judicial Ditch 6, 300,000 cu.yd. excav., 200,000 lin.ft. 6-42 in. tile. $80,000. Midwest Eng. Co., Albert Lea, engrs.

BIDS RECEIVED

Calif., Los Angeles—Harbor Comn., dredging slips 148, 149 and 150, 290,000 cu.yd. excav., from United Dredging Co., Central Bldg., $0.294 per cu.yd.

Calif., Montebello—See "Waterworks."

CONTRACTS AWARDED

N. Y., New York—Dredging—J. H. Delaney, comr. Docks, Pier "A," North River, dredging at street cleaning dumps in Boros of Manhattan and Brooklyn, Contr. 1808, to Columbia Dredging Co., 30 Church St., Item 1 $0.75, Item 3 $1. Noted July 5.

Miss., Rolling Fork—Otter Bayou D. D. of Sharkey, Washington and Issaquena Counties, 3,425,000 cu.yd. excavation, 25% floating dredge and balance dry land work, to Canal Constr. Co., McCall St., Memphis, Tenn., and F. C. Morgan, 3175 Washington Blvd., Indianapolis, Ind., $0.134 per cu. yd. Engrs. est. $500,000. Noted May 10.

Ky., Calhoun — McLean Co. Drainage Comn., 35 mi. ditch from near Central City to Pond River, to J. B. Wilson, Hartford. Est. cost $250,000.

O., Conneaut Harbor (Conneaut, P. O.) —See "Miscellaneous."

Streets and Roads

PROPOSED WORK

N. Y., Jamestown—Plans paving Beechview Ave. and West 7th St., warrenite bitulithic on 5 in. concrete. $25,000. L. Bergman, city engr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., rejected bids June 27, sheet asphalt paving Woodhaven Ave., also Hillside Ave. from Queens Blvd. to Bergen Ave. Will readvertise. Noted July 5.

N. Y., Rochester — Group of Rochester business men sponsoring and backing project to construct 10 ft. sidewalk on each side of Stone St. $200,000. C. A. Poole, city engr.

New Jersey—State Hy. Dept., Trenton, plans improving approaches to all State Institutions, $194,000, and road between Trenton and Princeton, concrete, $600,000, both Mercer Co.; constructing 10 mi. highway between Swainton and Cedar Springs, Cape May Co., $500,000. W. G. Sloan, state highway engr.

N. J., Trenton—State Hy. Dept. and Mercer Co. plan improving Sullivan Way, concrete, near here. $62,000. W. G. Sloan, state highway engr. H. F. Harris, co. engr.

W. Va., Parkersburg—Harris Dist., Wood Co., voted $88,000 bonds improving various roads. C. E. Pahl, co. clk. Noted June 14.

W. Va., Williamson — Hardee Dist., Mingo Co., voted $160,000 bonds improving 3 mi. Tug River Highway. L. C. Linkous, co. engr. Noted June 14.

North Carolina—State Hy. Comn., Raleigh, received no bids grading and waterbound or penetration macadam paving 8.27 mi. State Project 961 A and extension, between Project 960 and Franklin on Route 286, Macon Co.; grading and concrete or asphaltic paving 4.39 mi. State Project 151 B, between Swan Quarter and Rose Bay on Route 91, Hyde Co.; reconstructing old macadam, using penetration macadam on 4.31 mi. State Project 541, between Greensboro and Liberty on Route 60, Guilford Co. will readvertise. C. M. Upham, state highway engr. Noted June 14.

N. C., Burlington—Plans grading, curbing, guttering, sanitary sewers and concrete pasing various streets. $40,000-$50,000. C. B. Horner, mayor.

S. C., York—York Co. plans to vote on $2,000,000 bonds for building roads. L. A. Harris, sec.

Florida — State Rd. Dept., Tallahassee, soon takes bids compacted rock base on 8.25 mi. road from Okeechobee City and Kissimmee River, 17 ft., Project 523, Okeechobee Co. W. F. Cocke, state highway engr.

Florida — State Rd. Dept., Tallahassee, soon takes bids bituminous macadam surfacing 8 mi. road from Sta. 342 to Sta. 762 plus 396, Project 37, Sect. E, Alachua Co., 18 ft. W. F. Cocke, state highway engr.

Fla., Sarasota—Manatee Co. election July 17, to vote on bonds to hardsurface and widen State Rd. 5. McElroy Eng. Co., 32-34 Giddens Bldg., Tampa, engrs.

Fla., Tallahassee—Soon takes bids paving portions North and South Park Aves., North Monroe, North Adams and North Calhoun Sts., 3.45 mi. M. Walston, city engr.

Ala., Birmingham—Plans improving Cotton Ave., 23rd St. N., Walnut Hill Circle, 16th and 17th Sts., 19 blocks of 2 in. asphaltic concrete on 5 in. concrete and 6 blocks cement sidewalks. $56,200.

Tenn., Shelbyville—Voted $25,000 bonds for improvements to various streets.

Kentucky—State Rd. Dept., Frankfort, having plans prepared waterbound macadam surfacing 5.405 mi. Hodginsville-Glasgow Rd., Larue Co.; grading 8.56 mi. Owensboro-Hawesville Rd., Federal Aid Project 105, Daviees Co.; constructing and surfacing 7 mi. Falmouth-Newport Rd., State Project 21, Pendleton Co. J. S. Boggs, state highway engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids June 28, improving Sects. "Maumee," "N-1" and "N-3" Toledo-Napoleon Rd., Lucas Co.

O., Akron—W. F. Peters, dir. Pub. Serv., opens bids about Aug. 1, grading, laying walks and paving 9,130 ft. Mt. Vernon and Murray Aves., brick or asphalt on concrete. $69,000. E. A. Kemmler, Delaware Bldg., engr.

O., Akron—S. Porter, clk. Summit Co. rejected bids June 20, grading and paving 4.2 mi. Cleveland-East Liverpool Rd. 12, 16 ft., macadam; 4.82 mi. Richfield-Hudson Rd. 19, 16 ft., 2.5 mi. Barberton-Springfield Rd., Sects. A, B and C, 17.4 ft. Noted July 5.

O., Columbus—Making plans grading laying necessary water services and sewer connections and paving 765 ft. Hamlet St. 17 ft., and 3,130 ft. Ann St., 24 ft., brick asphalt or concrete. R. H. Simpson, city engr.

O., Dayton—Plans paving 10,000 sq.yd. North Main St., brick on concrete. $40,000. W. O. Pease, co. surv.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and asphalt, concrete or bituminous concrete surfacing 5½ mi. Federal Aid Project 125, 18 ft., Gratiot Co. 4½ mi. Federal Aid Project 50, Sect. B, 20 ft. Monroe Co.; grading and gravel surfacing 3½ mi. State Trunk Line Rd. 66-16, 16 ft. Missaukee Co.; Bridge 331,004 near Okemos, Ingham Co., 90 ft. concrete girder, 20 ft. roadway, 5 ft. walk. F. F. Rogers, comr.

Mich., Grosse Pointe Farms (Grosse Pointe P. O.)—Making plans grading and paving 4,700 sq.yd. Oak St., 9 in. one course concrete, concrete curbs and gutters, etc. $25,000. R. H. Erley, Village Hall, engr.

Wis., Madison—Making plans concrete paving 5,000 sq.yd Jenifer St. $25,000. E. E. Parker, City Hall, engr.

Ia., Bedford—Plans paving 10 blocks. $25,000. J. E. Lovell, clk.

Ia., Red Oak—Plans paving 12 blocks. $35,000. R. Roberts, clk.

Minnesota—Following counties authorized issuance of bonds for road improvements: Carlton Co. $175,000, N. C. Nickerson, Carlton, engr.; Steel Co. $250,000, R. W. Hosfield, Owatonna, engr.; Wabasha Co. $100,000, G. A. Larson, Wabasha, engr.; Carver Co. $250,000, L. A. Zeman, Chaska, engr.; Meeker Co. $180,000, G. H. Martz, Litchfield, engr.; Dodge Co. $50,000, D. P. Poboisk Mantorville, engr.; Goodhue Co. $250,000, J. A. Prior, Red Wing, engr.; Beltrami Co. $250,000, S. D. Snyder, Bemidji, engr.; Nicollet Co. $100,000, H. W. Daniels, St. Peter, engr.

Neb., Fairbury—Plans paving 5 mi. in Dists. 2, 4, 6, 7, 8 and 9. $75,000.

Mo., Hannibal — Making plans grading and concrete surfacing Mark Twain Ave. $40,000. W. R. Gettler, City Hall, engr.

Mo., St. Louis—Soon takes bids grading granite curbing and paving 8,105 sq.yd. San Francisco, Klock, Alcott and Finkman Sts., Kentucky rock asphalt, $41,450; 15,627 sq.yd. Bell, Sacramento and Maffitt Aves. asphalt on concrete, $75,300; resetting existing granite curbing, taking up old granite block, cutting same and relaying in concrete, on 9,260 sq.yd. Easton Ave., $41,700. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., City Hall, soon takes bids granite curbing and paving 4,375 sq.yd. Madison St., $37,500; paving 1,470 sq.yd. Compton Ave., asphaltic concrete, $4,500; 8,475 sq.yd. Pendleton Ave., willite, $23,000. W. W. Horner, city engr.

Mo., St. Louis—Soon takes bids grading and paving 14,290 sq.yd. Meramec St., willite on cement, $69,000; subgrading and paving 16 alleys, about 22,000 sq.yd. concrete, $61,500. W. W. Horner, 300 City Hall, engr.

South Dakota—State Hy. Comn., Pierre, plans grading, etc., 33.95 mi. roads in Jones, Hutchinson, Brown and Fall River Counties. $179,032. F. D. Huggins, state highway engr.

Tex., Austin—Travis Co. making plans grading, etc., 5.6 mi. Round Rock Rd., 16 ft. $26,500. O. Leonard, co. engr.

Tex., Center—City Comn. takes bids in summer paving public square and various streets. $125,000. P. A. McCarthy, Lufkin, engr.

Tex., Clarksville—Red River Co. making plans grading and gravel surfacing 5.9 mi. Clarksville-Bogata Rd., 18 ft. $36,545. J. B. Rieman, co. engr.

Tex., Cleburne—Johnson Co. election July 21, to vote on $40,000 bonds, grading and gravel surfacing roads in Venus Rd. Dist. O. B. McPherson, co. judge.

Tex., Dallas—See "Miscellaneous."

Tex., Ft. Worth—City Comn. takes bids in summer 2 mi. repairs to paving on 23th St. and Azle Rd., bituminous on gravel and stone. $26,000. D. L. Lewis, City engr.

Streets and Roads (Continued)

Tex., Georgetown—Williamson Co. election July 21 to vote on $30,000 bonds for grading and gravel surfacing Highway in Rd. Dist. 95. R. A. Nichols, co. engr.

Tex., Jasper—Jasper Co. making plans grading and gravel surfacing 11 mi. Buna-Evadal Rd., 16 ft. $163,139. C. P. Hunter, co. engr.

Tex., Laredo—Election soon to vote on $200,000 bonds improving streets. L. Villegas, mayor.

Tex., McKinney—Collin Co. had plans prepared concrete paving Federal Aid Project 402, 18 ft. $310,000. F. W. Cawthon, co. engr.

Tex., Marlin — Falls Co. making plans grading, gravel surfacing and bridging 19 mi. State Highway 44, 18 ft. $320,290. J. P. Wehrung, Lott, engr.

Tex., Tyler—Smith Co. soon takes bids bituminous topping State Highway 37, 21,265 sq.yd. 1½ in. and 48,991 sq.yd. 1¼ in., $35,000, State Highway 15, 14,756 sq.yd. 1¼ in., 12,800 sq.yd. 1 in. and 91,052 sq.yd. 1½ in., $60,000. D. K. Caldwell, co. engr.

Okla., Barnsdall—Had plans prepared grading and paving 3rd, 4th and 7th Sts., 12,000 sq.yd concrete, 4,500 lin.ft. concrete curbing, 4,200 cu.yd. excav., $60,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Chickasha—Soon takes bids paving various roads, different types. $51,000 J. C. Milliken, Chickasha, engr.

Okla., Fairfax — Having plans prepared grading and paving Main, Elm and Milberry Sts., 7,000 lin.ft. concrete curbing, 7,000 lin.ft. concrete gutter, 21,000 sq.yd vertical fibre brick, etc. $140,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Marlow — Having plans prepared grading and paving Bway. Ave., 24,000 sq. yd. asphalt. $80,000. V. V. Long & Co. 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Sapulpa—Creek Co. election soon to vote on $500,000 bonds for new roads and road improvements. C. J. Howard, Sapulpa, engr.

Okla., Waurika—Having plans prepared grading and paving 24 blocks, Main St. Bway., C, D, E, F and G Aves., 16,000 lin. ft. concrete curbing, 15,000 cu.yd. excav. 50,000 sq.yd. concrete. $250,000. F. E. Devlin, Wichita, Kan., engr.

Colo., Denver—Plans asphalt paving 2 mi. North Denver Paving Dist. 4, $98,265; concrete paving 11,500 sq.yd. Alley Paving Dist. 102, $25,412, 9,000 sq.yd. Alley Paving Dist. 103, $19,223, 8,550 sq.yd. Alley Paving Dist. 104, $18,360, 11,650 sq.yd. Alley Paving Dist. 105, $25,165, 9,600 sq. yd. Alley Paving Dist. 106, $20,682, 9,630 sq.yd. Alley Paving Dist. 107, $20,833, 11,900 sq.yd. Alley Paving Dist. 108, $25,872. A. K. Vickery, City Hall, engr.

Wash., Seattle—Bd. Pub. Wks. received no bids June 29, grading and curbing 15th Ave. S. et al. $44,636. Will readvertise.

Calif., Fresno—Had plans prepared improving Carmen and Lucerne Sts. 86,510 sq.ft., grading, 78,187 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, 12,245 sq.ft. walks, etc. W. Stranahan, city engr.

Calif., Fresno—Fresno Co. will levy $668,000 tax to complete highway system. C. P. Jensen, co. surv.

Calif., Inglewood—Had plans prepared improving Forest St., etc., 223,560 sq.ft. grading, etc., 142,323 sq.ft. 5 in. macadam, 7,373 lin.ft. curb, etc. A. Cory, city engr.

Calif., Monterey—Had plans prepared improving Pacific and El Dorado Sts., 87,300 sq.ft. 5 in. and 113,000 sq.ft. 4 in. asphaltic concrete, 80,500 sq.ft. gravel sidewalks, 7,100 lin.ft. concrete curb, etc. To exceed $50,000. H. D. Severance, city engr.

Calif., Porterville — Having plans prepared paving 30 blocks, probably concrete. F. Pease, city engr.

Calif., Richmond—Had plans prepared grading, concrete curbing, guttering, sidewalks and paving with Richmond standard macadam portions Stege Ave., 36th, 37th and 38th Sts., etc. $25,000 or more. H. D. Chapman, city engr.

Calif., San Diego—San Diego Co. had plans prepared paving 3 mi. road between present pavement at Lake Hodges and south city limits of Escondido, etc., warrenite, willite, asphaltum and concrete.

Calif., San Diego—San Diego Co. plans improving Adams Ave. between Boundary St. and Kensington Park Bridge, 224,387 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete, etc. F. C. Martin, co. supt. of streets.

Calif., San Francisco—City will appropriate $500,000 to construct portion Peninsula Highway. M. M. O'Shaughnessy, city engr.

Calif., San Mateo—City Trustees rejected bids grading, concrete curbing, sidewalks and paving with 1½ in. asphaltic concrete on 4½ in. concrete, portions of 1st, 2nd, 3rd and 4th Aves., etc. Noted July 5.

Calif., Santa Barbara — Santa Barbara Co. to vote on $300,000 bonds oil macadam paving Santa Ynez Permanent Rd. Div. O. H. O'Neill, co. surv.

Calif., Tracy — Having plans prepared asphalt paving on waterbound macadam base, also water and sewer extensions in Bolita Park Sub-Division. $25,000. W. D Harrington, city engr.

Ont., Goderich — Huron Co. preparing plans highway improvements, incl. resurfacing, widening and cutting away hills. $132,000. Portion of money will be spent for road machinery and repairs. T. R. Patterson co. engr.

Ont., Hamilton—Wentworth Co., Council and Hamilton Suburban Rds. Comn. soon take bids 9,500 sq.yd. concrete paving. $30,000. H. A. Lumsden, County Buildings, engr.

Ont., St. Thomas—Having plans prepared and takes bids about Aug. 1, asphalt paving, curbing and guttering Gladstone Ave. $40,000. A. Miller, city engr.

Ont., Ottawa—Soon takes bids curbing, guttering and paving 28,000 sq.yd. Wellington St., asphalt and wood block. $112,000. A. F. Macallum, city engr.

Ont., Sandwich—Having plans prepared and takes bids about July 28, concrete paving Fanchette, King and Rosedale Sts. $48,000. E. R. Worth, city engr.

Ont., Toronto—York Twp. plans 16 mi. sidewalks. $176,352. F. B. Goedike, 40 Jarvis St., engr.

Man., Winnipeg—City Council plans improvements incl. granolithic sidewalks, asphalt pavement, boulevards, watermains and sewers. $300,000.

BIDS DESIRED

Mass., Great Barrington—July 14, by Bd Selectmen, 8,650 sq.yd. concrete, 7,000 cu.yd. excav. and filling, 60,000 lb. ½ in. deformed reinforcing steel rods, etc.

New York—July 20, by F. S. Greene, comr. highways, Albany, reconstructing roads in Albany, Allegany, Erie, Herkimer, Jefferson, Monroe, Montgomery, Oneida, Steuben, Sullivan, Suffolk and Wyoming Counties. W. A. Patton, secy.; adv. this issue.

N. Y., Brooklyn—July 18, by E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging Dumont Ave., Lenox Rd., 48th St.; paving Dumont, Greene, Hegeman and 15th Aves., permanent asphalt on concrete; regrading, recurbing and reflagging Hegeman Ave.; resurfacing Oriental Blvd. and West End Ave., bituminous macadam; repaving 4th and South 5th Sts., asphalt on concrete; Bway. and Gold St., granite on 6 in. concrete; grading sidewalk space and flagging where necessary Highland Ave.

N. Y., New York—July 16, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., grading, etc., Balcom Ave.; grading, setting curb, laying sidewalks, etc., on Exterior St., Grand, Bronxwood, Walton, Thierot, Mace and Paulding Aves.; paving Morris Park Ave. and East 172nd St., bituminous concrete, Rogers Pl. and West 192nd St., sheet asphalt, West Tremont Ave., granite blocks; repaving Jerome and Burnside Aves., granite blocks, Crotona Ave., asphalt.

N. Y., Niagara Falls—July 17, paving 7 streets, various materials, incl. asphalt and granite block, $75,000. W. Bennett, city engr.

N. Y., St. George—July 17, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Van Buren St.; repaving Jewett Ave., Broad and Bay Sts., granite block on present concrete foundation, Boyd St., granite block on new concrete base.

N. Y., White Plains—July 23, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, paving Bronx River Parkway Dr. between Woodland Pl. and Main St., here. L. G. Holleran, deputy ch. engr.; adv. this issue.

N. J., Freehold—July 23, by Mayor and Boro Council, repaving East Main St. C. A. Niles, boro engr.; adv. this issue.

N. J., Trenton—Jan. 17, by Mercer Co., paving 1 mi. Upper River Rd. from Scudders Falls to Wilburtha, 8 in. rein.-con. $48,000. H. F. Harris, Court House, engr.

Pa., Wind Gap—July 31, by Bor. Council, improving paved highways on Lehigh and Park Aves. and Bway. W. D. Werkheiser, secy.; adv. this issue.

Maryland—July 24, by State Rds. Comn., Baltimore, gravel surfacing highway in Anne Arundel, Charles and St. Marys Counties, Contrs. AA-33, Ch-27 and Sm-26; concrete surfacing in Worcester Co., Contr. Wo-31. J. N. Mackall, chn.; adv. this issue.

Virginia—July 25, by State Hy. Dept., Richmond, constructing roads 8.7 mi. Project S 263, 10.66 mi. Project F 257, 6.27 mi. Project S-318 B, 2.1 mi. Project F 184, 0.89 mi. Project S 278 A, 6.17 mi. Project F 265, 1.41 mi. Project S 314, 2.7 mi. Project S 223, 1.57 mi. Project S 131, overhead bridge Project F 192 C, bridge over Roanoke River, Project S 329. H. G. Shirley, chn.; adv. this issue.

W. Va., Huntington—July 24, 50,000 yd. resurfacing. F. S. Chapman, mayor; adv. this issue.

W. Va., Williamson—July 27, by Mingo Co. Court, shaping, etc., 4.26 mi. Four Pole-Gilbert Creek Rd., 22,546 ft. clearing, 62,000 cu.yd. excav., etc.; 4.5 mi. War Eagle-Four Pole Rd., 23,836 ft. clearing, 61,300 cu.yd. excav., etc. A Bishop, pres.

Florida—July 17, by State Rd. Dept., Tallahassee, grading and surfacing 7.963 mi. road from Paynes Prairie to Marion Co. line, Project 37 E, Alachua Co., bituminous macadam on 8 in. rock, sheet asphalt with binder course on 8 in. rock, or plain concrete. W. F. Cocke, state highway engr.

Fla., Clearwater—Aug. 14, by Bd. Comrs. Pinellas Co., paving Rds. 1, 2, 3, 4, 6, 7 and 8, vitr. brick with bituminous filler, asphalt block, sheet asphalt, concrete, bituminous macadam penetration or inverted penetration method, all on compacted lime rock base, with concrete curb; Rd. 5, relaid vitr. brick with bituminous filler and double bituminous surface-treated lime rock shoulders. C. E. Burleson, co. engr.; adv this issue. Noted Apr. 19.

Fla., Sebring—July 20, by Highlands Co., grading and shaping 16 mi. Bassenger Rd., 20 ft., 85,000 cu.yd. excav. $25,000. Peacock & Hood, Sebring, engrs.

Fla., Tallahassee—Aug. 2, by B. H. Bridges, aud. and clk., grading, paving, storm sewers and structures. W. A. Smith, city mgr.; adv. this issue.

Alabama—July 31, by W. S. Keller, state highway engr., Montgomery, improving 11.32 mi. Dublin-Orion Rd., Montgomery Co., 79,652 cu.yd. excav., 28,818 sta.yd. overhaul, 289 cu.yd. concrete, 20,904 lb. reinforcing, alternate bids on surfacing (1) 26,200 cu.yd. gravel surfacing, 502,200 ½ mi. units overhaul (2) 59,770 sq.yd. one course plain concrete, 16,760 cu.yd. sand-clay shoulders (3) 40,000 cu.yd. sand-clay Noted June 21.

Miss., Pascagoula—July 30, at Chancery Clerks office, grading, paving and bridging 14.009 mi. various roads, 18 ft. $471,998. H. Dietzer, Jackson, engr.

Miss., Senatobia—July 18, 12,000 lin.ft. combined concrete curb and gutter, 18,000 sq.yd. gravel surfacing, etc. H. Johnson, town clk. J. H. Dorroh, University, engr.

La., Napoleonville—July 24, by Police Jury Assumption Parish, hardsurfacing approximately 8½ mi. Attakapas Cahal Rd., Rd. Dist. 1. F. J. Rodigue, secy.

O., Akron—July 16, by W. F. Peters, dir Pub. Serv., grading, laying sidewalks and paving 2,200 ft. Noah Ave., 24 ft., 6,100 sq.yd. vitr. brick $49,678, or 5,000 sq.yd asphalt $47,398; 1,075 ft. Reutschler Court and Power St., 22 ft., 2,700 sq.yd. vitr. brick $27,141, 2,150 sq.yd. asphalt $26,821 E. A. Kemmler, Delaware Bldg., engr.

O., Brooklyn Heights (Independence P. O.)—See "Waterworks."

O., Columbus—July 17, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving 727 ft. Charles St., 40 ft., 491 ft. alley north of Mt. Vernon Ave., 16 ft., 655 ft. alley west of Miller Ave., 15 ft., 460 ft. Wyandotte Ave., 26 ft., 2,812 ft. Leonard Ave., 36 ft., 3,372 ft. alley west of Douglass St., 2nd alley north of Leonard Ave., and alley west of Oakwood Ave., 20 ft., brick, concrete or asphalt.

Ill., Olney—July 16, by City Council, 50,000 sq.yd. paving, either sheet asphalt, stone filled asphalt, asphaltic concrete or brick or either portland cement or asphaltic cement concrete, 31,000 ft. concrete curb, 14,000 cu yd. excav. C. Edmiston, city clk.

Ill., Urbana—July 18, at office of F. Hise, clk., Champaign Co., constructing 29.372 mi. road, R. F. Fisher, supt. of highways; adv. this issue.

Streets and Roads (Continued)

Wisconsin—July 18, by State Hy. Comn., at div. office 9, Teller Bldg., Lancaster, grading and surfacing Fennimore-Montfort Rd., Grant Co., 7,000 sq.yd. one course concrete surfacing, etc. A. R. Hirst, Madison, highway engr.

Wis., Whitewater—July 21, concrete paving 5,000 sq.yd. Wisconsin and Milwaukee Sts. $25,000. C. Inman, clk. Private plans.

Michigan—July 18, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 26-7, Sect. B, Gogebic Co., 80,860 sq.yd. gravel, etc.; State Trunk Line Rd. 21-22 in Lyons, 11,592 sq.yd. asphalt, concrete or bituminous concrete; Bridges 270,604 and 270,605 near Waterfield, Gogebic Co., 40 ft. and 60 ft. spans, concrete girders. F. F. Rogers, comr.

Michigan—July 19, by State Hy. Dept., Lansing, grading and surfacing Federal Aid Project 116, 50,057 sq.yd. asphalt, concrete or bituminous concrete, 48,154 cu.yd. earth excav., Federal Aid Project 98, 85,098 sq.yd. asphalt, concrete or bituminous concrete, 54,038 cu.yd. earth excav., both Kent Co.; State Trunk Line Rd. 12-38, in Norway, 21,709 sq.yd. concrete or bituminous concrete on macadam or bituminous macadam, 23,023 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 23, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd., 11-16 in Alanson, 11,841 sq.yd. concrete, bituminous macadam or waterbound macadam, 3,250 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 24, by State Hy. Dept., Lansing, fine grading, surfacing etc. State Trunk Line Rd. 47-10, Sect. B, Saginaw Co., 8,598 sq.yd. concrete; grading and gravel surfacing State Trunk Line Rd. 10-30, Iosco Co., 46,292 sq.yd. gravel, 9,338 cu.yd. earth excav.; grading, surfacing, etc. State Trunk Line Rd. 53-6 in Inlay City, 21,276 sq.yd. asphalt, concrete or bituminous concrete, 6,812 lin.ft. concrete curb and gutter, 9,646 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 26, by State Hy. Dept., Lansing, grading and gravel surfacing 28,475 sq.yd. State Trunk Line Rd. 10-22, Alpena Co. F. F. Rogers, comr.

Ia., Creston — July 19, by B. Tallman, clk., 27,000 ft. curbing, 9,500 yd. surfacing and 34,000 yd. concrete, asphaltic concrete, sheet asphalt or brick pavement. P. K. De Voe, city engr.

Minnesota—July 24, by State Hy. Dept., St. Paul, State Project 3-31, Federal Aid Project 283, between Lake City, Wabasha Co. and Red Wing, Goodhue Co., 242,000 cu.yd. excav., 3 concrete bridges, $80,000; State Project 49-21, Federal Aid Project 279, Kandiyohu Co., 154,000 cu.yd. excav., 3 bridges, $45,000; State Project 9-33, Federal Aid Project 311, Martin Co., 125,000 cu.yd. excav. and one 40 ft. deck girder, $32,000; State Project 1-26, Federal Aid Project 321, Steele Co., 166,000 cu.yd. excav., 2 bridges, $40,000; State Project 22-24, Federal Aid Project 254, Meeker Co., 272,000 cu.yd. excav., $70,000; State Project 55-21, Federal Aid Project 229, Carlton Co., 22,000 cu.yd. excav., 24,327 sq.yd. concrete pavement, 1 bridge, $105,000; State Project 1-42, Federal Aid Project 325, Carlton Co., 37,000 cu.yd. excav., 90,000 sq.yd. concrete paving, Bridge 4004, three 162 ft. spans, Bridge 4005, one 75 ft. low truss, $260,000; State Project 45-21, Federal Aid Project 12 and 326, Washington Co., 95,000 cu.yd. excav., 114,000 sq.yd. concrete paving, $290,000; State Project 22-23, Federal Aid Project 324, Nicollet Co., 125,000 cu.yd. excav., 1 bridge, $30,000; State Project 12-23, Federal Aid Project 284, Carver Co., 256,000 cu.yd. excav., Bridge 4069, total beam spans 85 ft., $62,000.

Minn., East Grand Forks—July 16, by city, 10,409 sq.yd. rein.-con., asphaltic concrete or vibrolithic pavement, etc. $40,000. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr.

Minn., St. Paul—July 16, by H. W. Austin, city purch. agt., paving 21 blocks Cleveland St. from Randolph St. to Marshall Ave., $85,000; paving 12 blocks Minnehaha St. from Cable Ave. to Etna St., asphaltic concrete and vertical fibre brick, $50,000. G. M. Shepard, city engr.

Minn., St. Paul—July 16, by G. J. Ries, aud. Ramsey Co., grading and paving 38,240 sq.yd. North St. Paul Rd., one course 7½ in. rein.-con., Project 23-54. $100,000. P. N. Coates, co. surv. This corrects report in June 28 issue.

Kan., Iola—July 16, by A. R. Stroup, co. engr. Allen Co., paving and grading 13 mi. Humbold-Elmore Rd., 16 ft., bituminous macadam.

S. D., Mitchell—July 16, paving about 7 blocks. $25,000. F. McGovern, city aud.

N. D., Hillsboro—July 23, by N. G. Nyhus, city aud., 36,000 sq.yd. paving various type. $108,000. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, Minn., engrs.

Wyo., Casper—July 16, curbing, sewers and rein.-con. or asphalt paving 7,724 sq. yd. in Paving Dist. 28, and 4,724 sq.yd. in New Paving Dist. 33. F. S. Knittle, city engr.

Wyo., Casper—July 23, curbing, building sewers and paving New Paving Dist. 29, concrete or asphalt, $19,975; New Paving Dist. 34, rein.-con. or asphalt, $19,665. Noted Apr. 19.

Mo., Clayton—July 18, by St. Louis Co., macadamizing 4,045.76 squares Hancock Ave., Sappington, Chambers and McKelvey-Creve Coeur Rds., 32,577 cu.yd. excav. W. Elbring, co. engr.

Mo., St. Louis—Aug. 7, by Bd. Pub. Wks., City Hall, clearing 14.6 acres timber, 31,850 cu.yd. embarkment, 2,010 cu.yd. cinders, 5,800 cu.yd. macadam, and 6,700 lin.ft. 6 in. c.i. mains. $57,100. E. E. Wall, 312 City Hall, water comr.

Tex., Johnson City—July 25, by W. Martin, judge Blanco Co., grading and gravel surfacing 7.19 mi. State Highway 20 A, 676 cu.yd. concrete, 12,271 cu. yd. gravel, 56,280 lb. reinforcing, etc., $58,000; grading and surfacing 14.08 mi. State Highway 46, 3,970 cu.yd. adobe, hauled and placed, 2,459 cu. yd. gravel hauled and placed, 17,877 cu.yd. gravel, screened, hauled and placed, $25,500; 5.53 mi. State Highway 20 A, 11,527 cu.yd. shale adobe, etc., $50,000. J. W. Puckett, co. engr.

Tex., Roscoe — July 16, by City Com., paving and waterworks, $55,000. Montgomery-Ward, City Natl. Bank, Wichita Falls, engrs.

Okla., Sayre—Aug. 6, grading and paving Bway., Walnut and Main Sts., 13,200 sq.yd. concrete. $56,040. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Former bids rejected. Noted June 28.

Utah—July 16, by State Rd. Comn., Salt Lake City, grading, gravel surfacing and bridging 11½ mi. Castle Dale-Ferron Highway, Emery Co., one 100 ft. concrete and one 75 ft. steel bridges, etc. Former bids rejected. H. C. Means, state highway engr. Noted June 21.

Calif., Escondido — July 23, by Bd. Supervs. San Diego Co., (San Diego), paving 1.6 mi. of Nutmeg and Lime Sts., 18 ft., portland cement concrete, asphaltic concrete, willite or warrenite. G. E. Heath, Courthouse, San Diego, engr.

Calif., Fairfield—July 17, by City Clerk, grading, concrete curbing, and paving with warrenite bitulithic on asphaltic concrete Texas St. and Union Ave. $25,000. E. N. Eager, city engr. Noted Mar. 8.

Calif., Oakland — Supervs. Alameda Co. taking bids and opens same about July 30, improving Livermore-Pleasanton Rd., 1,028,000 sq.ft. Class A grading, 9,000 cu.yd. Class B grading, 1,150,000 sq.ft. Class C grading, 300 cu.yd. concrete, 75,000 lb. reinforcing, 66,300 sq.ft. oil macadam pavement, 2,400 lin.ft. 12-18 in. corrugated pipe, 655,000 sq.ft. pavement, alternate bids on 5 and 5 to 7 in. concrete, 2, 3, 4 and 5 in. warrenite bitulithic, etc. $220,000. G. A. Posey, co. surv. Noted June 1.

Calif., Sacramento—See "Sewers."

Calif., San Diego — July 23, by Bd. Supervs. San Diego Co., grading and paving with 5 in. concrete with 8 in. edge or 3½ in. asphaltic concrete base, 1½ in. wearing surface, Route 2 of Mission Rd., from Buena to Vista, 37,960 sq.yd. paving, etc.; Route 1 of Mission Rd., from Barnardo to Escondido, 32,208 sq.yd. paving, etc. G. E. Heath, Courthouse, engr. Noted July 5.

BIDS RECEIVED

Connecticut—State Hy. Dept., Hartford, June 26, from P. Bacco, 300 State St., Stamford, paving Norwalk Rd. in Danbury, 6,100 cu.yd. concrete, 5,000 lin.ft. cobble gutter, 4,000 cu.yd. borrow, 28,000 cu.yd. dry earth and 2,600 cu.yd. rock excav., $123,494, engrs. est. $123,657; from J. Arborio, 82 Church St., New Haven, paving Southbury Rd., in Woodbury, 18,850 sq.yd. 3 in. bituminous macadam, 5,000 cu.yd. dry earth excav., $44,639, engrs. est. $40,041, 36,900 sq.yd. Bethlehem Rd. in Woodbury, 8 in. native stone, $80,214, engrs. est. $91,225; from Lane Constr. Co., 37 Colony St., Meriden, 51,000 sq.yd. road in Sharon and Salisbury, 7 in. macadam, 9,000 lin.ft. cobble gutter, 67,300 cu.yd. dry, 660 cu.yd. wet excav., 11,000 cu.yd. borrow, $300,544, engrs. est. $316,552. Noted June 21.

N. Y., Buffalo—Paving Bryant St., Taunton Pl., Pembroke Ave., Wyoming Ave. from Delevan to Kensington Sts., Wyoming Ave. from Northland to Delevan Sts., asphalt, from H. P. Burgard Co., 1968 Fillmore Ave., $7,740, $33,165, $21,625, $73,142 and $26,440 respectively; Franklin St. and repaving East Delevan Ave., asphalt, from Rock Asphalt & Constr. Co., Morgan Bldg., $9,554 and $148,380 respectively; paving Pembrooke Ave., brick, from Erie Contg. Co., Morgan Bldg., $21,600.

N. J., Newton—Com. Sandystone Twp. of Sussex Co. at Grange Hall, Layton, macadamizing Sandystone Twp. Rd. 2, from Richards & Gaston, 110 South Bridge St., Somerville, $32,413. Noted June 14.

Pa., Elensburg — Cambria Co., paving 16,136 lin.ft. Wilmore Plank Rd., Cambria Twp., from Bell-Bockel Co., Inc., 543 Vine St., Johnstown, asphalt $152,003, brick on concrete $181,644; G. T. Morgan, Woolf Blk., Johnstown, brick on concrete $158,204 Noted June 21.

Pa., Erie—Paving 5 drives in Frontier Pl. Subdivision, Shore, Shawnee and Seminole Drives, from M. A. McCormick, Erie, $3.15 per sq.yd., Frontier and Mohawk Drives, from J. and M. Doyle Constr. Co., Erie, $3.15. Above work involves 57,672 sq.yd. asphalt on concrete. Engrs. est. $250,000. Noted June 14.

Md., Baltimore—Bd. Awards. Contr. 240-NA, 11,330 sq.yd. old granite block redressed and relaid, from G. Long Contg. Co., 1st Ave. and 12th St., $59,280. Noted June 28.

Alabama—State Hy. Dept., Montgomery, asphalt paving 2.35 mi. highway from Gadsden to Guntersville, 15 ft., Etowah Co., from Etowah Co. Court of Comrs., Gadsden, $62,767. Noted June 21.

Tennessee—State Hy. Dept., Nashville, surfacing with bituminous macadam 10.7 mi. highway between Springfield and Davidson Co. line, 16 ft., Robertson Co., from Texas Rd. Constr. Co., Great Southwestern Life Bldg., Dallas, Texas, $147,658; oil surface treatment on 5.1 mi. highway between Tullahoma and Moore Co. line, 16 ft., Coffee Co., from B. Williams, Murfreesboro, $45,493. Noted July 28.

O., Cincinnati—Hamilton Co., June 29 paving 60,000 sq.yd. Cleves-Warsaw Rd., concrete, from Gradison Constr. Co., 701 1st Natl. Bank Bldg., $370,528; bitoslag, from Scully Bros. Constr. Co., Clifton Ave and Riddle Rd., $492,549; bitulithic, from A. J. Brehm, 57 Wiggins Blk., $491,496. Noted June 21.

O., Garfield Heights (Bedford P. O.)—Grading, curbing and pacing 30,000 cu.yd. East 107th, 108th, 109th and 111th Sts., Runnymead, Langton and Wadsworth Aves., from Enterprise Paving & Constr. Co., 8436 Bway., Cleveland, brick $211,435; Freshwater Constr. Co., Natl. Bldg., Cleveland, asphaltic concrete $232,803. Noted June 14.

Mich., Detroit—Grading and paving (1) 1,200 sq.yd. E. St. (2) 3,000 sq.yd. Maywood Ave. (3) 1,010 sq.yd. Rankin Ave. (4) 9,700 sq.yd. Van Court Ave. (5) 3,500 sq.yd. Byron Ave. (6) 3,500 sq.yd. Cedarhurst Ave. (7) 8,100 sq.yd. Cortland Ave. (8) 1,400 sq.yd. Edison Ave. (9) 5,200 sq. yd. Elmhurst Ave. (10) 5,100 sq.yd. Monterey Ave. (11) 950 sq.yd. Gilbert Ave. (12) 3,800 sq.yd. Tuxedo Ave. numbers 1 to 4 inclusive are 3 in. sheet asphalt, numbers 5 to 12 inclusive 3½ in. sheet asphalt all on 6 or 8 in. concrete, from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $6,764 (2) $17,201 (3) $5,695 (4) $5,151 (5) $22,219 (6) $21,449 (8) $9,579 (9) $35,097 (11) $5,815 (12) $25,999; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., (7) $48,790 (10) $34,360.

Wis., Menacha—Paving 10,091 sq.yd. 3rd and De Pere Sts., from A. C. Simpson, 534 Franklin St., Appleton, vibrolithic concrete $2.59 per sq.yd., integral curb $0.35, grading $1; J. Schneider Contg. Co., Nenasha, rein.-con. $2.63, integral curb $0.34, grading $1.

Ariz., Tucson—Paving East 6th St., 47,386 sq.yd. (a) 1½ in. warrenite bitulithic (b) 1½ in. asphaltic concrete, (c) 1½ in. coarse type Willite, all on 2½ in. bituminous base, from Borderland Constr. Co., Tucson, (a) $143,334 (b) $138,595; G. B. Singleton Co., Tucson, (c) $150,182; improving Helen and Mabel Sts., from Borderland Constr. Co., Tucson, $136,969. Noted June 7.

Nevada—State Hy. Dept., Carson City, grading and gravel surfacing 9.16 mi. Deeth-Wells Rd., Federal Aid Project 54-A-2, Elko 1-D, Elko Co., from Brown & Stafford, Robertson Bldg., Madera, Calif., $74,592.

Calif., Sausalito — Improving various streets in 1st Dist., 14,000 cu.yd. excav., 110,000 sq.ft. 5 in. concrete pavement, 132,000 sq.ft. bituminous macadam pavement, 15,000 lin.ft. granite rubble gutter, etc., from Macdonald Impvt. Co., 567 Pacific Bldg., San Francisco, $99,945. Noted June 7.

Streets and Roads (Continued)

CONTRACTS AWARDED

Rhode Island — State Bd. Pub. Wks., Providence, rein.-con. paving 11,340 cu.yd. Federal Aid Project 18, Contr. 2305, to A. D. Bridges Sons, Inc., Hazardville, Conn. $32,605. Noted June 28.

N. Y., Binghamton—Asphaltic concrete paving Mygatt St. and Newton Ave., to Municipal Constr. Co., Binghamton, $21,469 and $7,321 respectively. Noted June 28.

N. Y., Brooklyn—Park Bd., Municipal Bldg., New York, grading, curbing and sheet asphalt paving Fort Hamilton Parkway, here, to Broklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $107,281. Noted June 28.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., paving Rocky Hill Rd. and Flushing Ave., sheet asphalt, to W. P. McDonald Co., 17 West 42nd St., New York City, $130,595 and $70,390 respectively; Hillside Ave. from Lefferts Ave. to Queens Blvd., sheet asphalt, to Uvalde Asphalt Paving Co., 1 Bway., New York, $109,069; Roosevelt Ave., concrete, to Kennedy & Smith, Inc., 93 Amity St., Flushing, $27,974. Noted July 5.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., repaving Spruce and Dey Sts., granite block, to J. Meehan & Sons, 74 Cortland St., $18,856 and $21,297 respectively; 78th St., sheet asphalt, to Asphalt Constr. Co., 208 Bway., $28,467; 112th St., sheet asphalt, to J. E. Gaffney, 438 East 91st St., $41,199. Noted June 28.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro. Hall, repaving Richmond Rd., granite block, to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $107,613. Noted July 5.

N. Y., Watertown — Jefferson Co. will pave with bituminous macadam 34.72 mi. roads in towns of Antwerp, Cape Vincent, Clayton, Ellisburg, Henderson, Hounsfield, Le Roy, Lorraine, Lyme, Orleans, Pamella, Philadelphia, Rutland, Theresa, Watertown, Wilna and Worth, by day labor under supervision of W. Eggleston, co. supt. highways. $225,730.

N. J., Freehold—Monmouth Co., rein.-con. paving 1.25 mi. Englishtown-Jamesburg Rd. 19, to Thompson & Glickman, Freehold, $75,271. Noted May 31.

N. J., Trenton—Mercer Co., paving 22,-080 sq.yd. Hamilton Ave., to J. J. Barrett, 601 Greenwood Ave., $102,310.

Pennsylvania—State Hy. Comn., Harrisburg, let contracts to lowest bidders paving with bituminous on reconstructed base (R 118, Westmoreland, means Route 118, Westmoreland Co.,) R 69 Westmoreland, R 247 Westmoreland and Fayette; bituminous macadam penetration method on reconstructed base R 53 Blair, R 152 Bucks, R 281 Bucks, R 141 Berks; one course rein.-con., 7 in thick (A 2112 Beaver, means application 2112 Beaver Co.,) A 2202 and 2203 Northampton, A 2309 and 2310 Northampton, R 204 Beaver; one course rein.-con., 6 in. thick, R 88, A 2307 Erie, A 1950 Beaver; rein.-con. and bituminous macadam penetration method A 2025 Dauphin. For contractors and prices see June 14 issue.

Pennsylvania—State Hy. Comn., Harrisburg, paving with bituminous macadam penetration method on reconstructed base 17,858 ft. Route 161, Coal Twp., Northumberland Co., 32,236 sq.yd. paving, to Highway Constr. Co., Phila., $70,605.

Pennsylvania—State Hy. Dept., Harrisburg, 35,567 sq.yd. of 6 in. rein.-con. resurfacing on Route 230, Hidelberg Twp., York Co., to W. T. Staats, 5403 Diamond St., Phila., $127,825. Noted May 10.

Pa., Pittsburgh — Allegheny Co. brick paving 4,226 ft. North Braddock and Forest Hills Rd. from North Braddock to Ardmore Blvd., to McCrady Bros., 300 6th Ave., Braddock. Engrs. est. $94,718.

Md., Baltimore — Paving Comn., 13,215 sq.yd. sheet asphalt paving, 940 sq.yd. granite blocks redressed as liners, Contr. 239-OANA, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $62,857; 2,070 sq.yd. concrete, 750 sq.yd. old granite blocks relaid, Contr. 237-OCOANA, to A. Apicella, 224 Albemarle St., $8,313; 10,810 sq.yd. concrete, Contr. 238-OANA, to Ryan Constr. Co., Real Estate Trust Bldg., Phila., Pa. Noted June 21.

N. C., Henderson—Vance Co., hardsurfacing 3 mi. Dabney, Oxford and Cooper Rds., to R. G. Lassiter, Oxford, $81,000.

Alabama—State Hy. Dept., Montgomery, improving various sections of Gadsden-Birmingham Highway, 15 ft. wide, as follows, grading and gravel surfacing 23.6 mi., Marengo Co., to W. K. Saulsbury & Co., 1322 South 19th St., Birmingham, $368,031; grading, gravel surfacing and small bridges on 12.64 mi., Crenshaw Co., to Fountain & Mayers, Hattiesburg, Miss., $254,335; grading and macadamizing 32 mi., St. Clair Co., using chert, 16 mi. to Phillips & Co., Birmingham, $167,570, and 16 mi. to Donahue & Co., Tuscaloosa, $177,-490; grading and small bridges on 6.19 mi., Clarke Co., to Stanley & Singer, Lafayette, $80,205. Noted June 7 and 28.

Alabama—State Hy. Dept. Montgomery, grading and macadamizing 22.79 mi. Bankhead Highway from Jasper to Marion Co. line Rd., 15 ft., Walker Co., and grading and gravel surfacing 10.74 mi. road from Marion to Dallas Co. line, 15 ft., Perry Co., to Stanley & Singer, La Fayette, $513,-983 and $157,710 respectively. Noted June 21 and 28.

Alabama—State Hy. Comn., Montgomery, grading and surfacing with chert 16 mi. Oneonta-Village Springs Rd., 20 ft., to W. C. Hill, Birmingham, $127,264. Noted June 7.

Mississippi—State Hy. Dept., Jackson, 12.1 mi. Carthage-Philadelphia Rd., concrete, to Central Constr. Co., Carthage, common excav. $0.30 per cu.yd. borrow $0.28, concrete, $26.50, sand clay, $0.70, etc.; 12 mi. Jefferson Davis Rd., Tate Co., to McElwrath & Rodgers, Grenada, common excav. $0.25, borrow, $0.235, concrete, $20, gravel 1 mi. haul, $0.75, etc.

Tenn., Dickson—Dickson Co. will grade and gravel or chert surface 15 mi. highway between Burns and Humphrey Co. line, by day labor and county forces, under supervision State Hy. Dept., Nashville.

Ky., Ashland—For 6,740 sq.yd. concrete paving and 5,600 lin.ft. curbs and gutters in South Ashland, to Hunt-Forbes Constr. Co., Ashland, $53,000.

Ky., Louisville—Grading 2 mi. Western Parkway, 24 ft., to H. Bickel Co., 443 Garden St., $29,000.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 3.843 mi. Sect. "A" Painesville-Ravenna Rd., Geauga Co., bituminous macadam, tar, to Mahoning Constr. Co., Warren, $108,196; 2.526 mi. Sects. "D and G" Bryan-Defiance Rd., Williams Co., bituminous macadam, asphalt, to R. Stone Constr. Co., Lima, $23,-714; 4.368 mi. Sect. "A" and 5.475 mi. Sect. "E" Toledo-Grand Rapids Rd., Wood Co., warrenite bitulithic, to Russell-Jennison Co., Toledo, $186,031 and $206,081 respectively; 1.1776 mi. Sect. "C" Findlay-Bowling Green Rd., Hancock Co., bituminous macadam, asphalt, to Frost Constr. Co., Findlay, $29,866. Noted July 5.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 5.736 mi. Sect. "M-1" Athens-Pomeroy Rd., Athens Co., brick, to H. E. Pratt Constr. Co., Mt. Blanchard, $303,866; 5.789 mi. Sects. "G-1 and 2" Springfield-Xenia Rd., Clark Co., rein.-con., to Lewis & Copeland, Lima, $134,484 and $70,980 respectively; 3.402 mi. Sect. "A" Urbana-West Jefferson Rd., Madison Co., brick, to W. H. Ringwald Co., Chillicothe, $132,733; 4.109 mi. Sect. "O" Medina-Norwalk Rd., Medina Co., rein.-con. and brick, to S. Mellert-Weidner Co., Medina, $135,449; 5.084 mi. Sects. "S-1" and "U-1" Ohio River Rd., Scioto Co., brick, to S. Monroe & Sons Co., Portsmouth, $240,702; 1.761 mi. Sect. "H" Ohio River Rd., Hamilton Co., bitulithic, to Henkle & Sullivan, Cincinnati, $97,295. Noted June 28.

O., Akron—W. F. Peters, dir. Pub. Serv., to V. Olson Constr. Co., 501 Herberich Bldg., grading, laying sidewalks and paving 3,700 ft. River, Johnston and Factory Sts., 10,740 sq.yd. vitr. brick, $2.55 per sq.yd., etc., total $93,578; to Hollinger & Davidson, 435 South Bway., 1,000 sq.yd. Annadale Ave., asphalt, $8,410; to T. E. McShaffrey Constr. Co., 171 Forge St., 2,162 ft. South Main St., 3,430 sq.yd. vitr. brick $2.35 per sq.yd., 4,750 sq.yd. asphalt $1.40, etc., total $58,863, 3,600 ft. Madison Ave., 8,720 sq.yd. 3 in. asphalt $1.70, $72,783, 4,000 ft. South Main St., 15,440 sq.yd. asphalt $1.70, $96,879; to J. Angelo, 264 Emerald St., Youngstown, 1,100 cu.yd. Bacon Ave., cinders, $14,895, 2,200 ft. Noble Ave., cinders, $14,124. Noted June 14.

O., Cleveland — Cuyahoga Co., concrete paving 14,000 sq.yd. Lander Rd., to Ohio Contg. Co., Elyria, $63,416. Engrs. est. $67,240. Noted July 5.

O., Columbus—W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving 1,314 ft. Bellows Ave., 26 ft., 1,400 ft. Brevoort Rd., 60 ft., and 2,044 ft. 3rd St., 50 ft., all asphalt, to L. L. Aller, Worthington, $20,129, $20,978 and $24,816 respectively; 1,753 ft. Rich St., 82.5 ft. asphalt, to Cleveland and Trinidad Paving Co., Grand Theatre Bldg., $46,127; 4,476 ft. Oak St., 33 ft., asphalt, and 457 ft. alley north of Mithoff St., 20.68 ft., concrete, to R. J. Dienst, 480 South 5th St., $70,498 and $3,028 respectively; 590 ft. alley north of 7th Ave., 16 ft., concrete, to Columbus Constr. Co., 1471 West Broad St., $3,047; 390 ft. alley west of Woodland Ave., 20 ft., concrete to A. G. Pugh, Commerce Bldg., $1,965; 461 ft. alley north of Rich St., 16 ft., concrete, to Yale Constr. Co., 146 Yale Ave., $2,517. Noted June 21.

O., Columbus — Franklin Co. surface treating about 30 roads, bituminous macadam, to C. and C. Haulage Co., 330 Dublin Ave., $64,183.

O., Columbus—Franklin Co. grading and waterbound macadamizing 2.95 mi. Hard Rd., 16 ft., Perry and Sharon Twps., to D. C. Jones, Worthington, $45,978; 0.85 mi. Harrison Rd., 18 ft., Franklin Twp., to A. W. Burns & Co., 316-25 South High St., $11,382. Noted June 7.

O., East Cleveland (Cleveland P. O.)—Grading and paving 3 streets, vitr. brick and asphalt, to River Constr. Co., 2402 Mapleside Ave., Cleveland, $71,955; paving 4 streets, asphaltic concrete, to Rieley Bros., The Arcade, Cleveland, $31,796. Noted May 24.

O., Euclid—Grading, curbing and asphalt paving Mallard Rd., East Bowne Ave., Shoreview, Overlook and Oriole Drives, to Gould & Maybach, 823 East 150th St., Cleveland, $174,009; 11,600 sq.yd. Cushman Rd., Bell and Iddings Aves., to H. G. Herring, Pavers Exch., Cleveland, $60,224; Bayard and Chelsea Rds., Sunnycliff Dr., Naumann, Liberty, Independence and Edgecliff Aves., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $173,115. Noted July 5.

O., St. Clairsville—Belmont Co. paving Neff-Glencoe Rd., tar bound macadam, to Foy & Nixon, Columbus, $99,030.

O., Wauseon—Fulton Co. grading and concrete paving 9,347 sq.yd. Archbold-Fayette Rd., Sect. E, and 31,590 sq.yd. Toledo-Angola Rd., to La Bolteaux & Hayes, 343 Spitzer Bldg., Toledo, $28,406 and $94,119 respectively, engrs. est. $30,000 and $105,010 respectively.

Ind., Jeffersonville—Clark Co., resurfacing 5.7 mi. Wm. Schleicher Rd., 16 ft., Wood Twp., to J. Nangle, c/o K. P. Barnes, co. surv., Jeffersonville, $67,000. Engrs. est. $71,465. Noted May 24.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving various roads to Alzina Constr. Co., Springfield, 4.55 mi. **4-26-25 Sangamon means (Route 4, Federal Aid Project 26, Sect. 25 Sangamon Co.)** and 2.1 mi. **4-26-26 Sangamon** $133,696, W. O'Neil & Sons Co., Faribault, Minn., 3.66 mi. **3-0-7 Rock Island**, $83,185, Powers-Thompson Constr. Co., Joliet, 3.06 mi. **44-0-19 Will**, $63,965, M. Hayes & Son, 634 Rookery Bldg., Chicago, 4.93 mi. **1-53-41 Massac**, $114, 588, Trompeter & Sons, Peru, 0.38 mi. **7-7-I 3, La Salle**, $12,722, Monmouth Gate & Mfg. Co., Monmouth, 1.02 mi. **8-0-2C, Warren**, $20,-719, C. E. Hamilton, Carbondale, 6.06 mi. **13-57-8 Saline**, $135,850, Cameron, Joyce, Smith & Elder Co., Keokuk, Ia., 3.7 mi. **30-64-12 Stark**, $87,583; grading following roads, to H. E. Hauh, Richview, 0.3 mi. **2-0-43A Christian**, $1,763, 0.47 **2-0-44A Christian**, $2,474 and 0.49 mi. **2-0-45A Christian**, $5,678, W. Amman, Decatur, 2.12 mi. **2-0-48A Macon**, $17,828, Cameron, Joyce & Co., Keokuk, Ia., 2.67 mi. **2-0-55A McLean**, $17,566; Jenner Bros & Co., 1120 West Lombard St., Davenport, Ia., 3.61 mi. **3-0-19A Rock Island**, $23,061, Armstrong Eng. Co., Taylorville, 1.18 mi. **3-0-52A** Greene, $15,014, 3.92 mi. **12-0-9A Richland-Clay**, $41,108, 2.08 mi. **24-0-4A Christian** $29,951, Tritt Bros., Belleville, 6.8 mi. **3-0-74A** and 7.92 mi. **3-0-75A Randolph**, $74,767, H. G. Althoff, Teutopolis, 1.37 mi. **12-0-13A Marion**, $21,510, M. Frazier, Louisville, 2.18 mi. **28-0-10A Wayne**, $14,-591, E. P. Olson, 2901 Monterey St., St. Joseph, Mo., 4.13 mi. **28-0-16A Henry**, $36,050. Noted Apr. 26 and May 24.

Wis., Lake Mills—Sidewalks, curb and gutters on Franklin, Scott, Washington, Oak, North, Greenwood and Foote Sts., to A. Glassel & Co., Lake Mills. Engrs. est. $25,000.

Wis., Milwaukee—Concrete paving various alleys, etc., 7,317 sq.yd. to A. E. Retzlaff, 948 4th St., $21,154; 7,566 sq.yd. to F. Hildebrand, 1040 23rd Ave., $20,570; 3,746 sq.yd. to Schwerm Bros., 50 Lee St., $7,772; 1,360 sq.yd. to Dean Constr. Co., 382 East North Ave., $5,680; 4,242 sq.yd. to J. C.

Streets and Roads (Continued)

Bluhm & Sons, 1298 Achilles Pl., $12,729; 754 sq.yd. to Kroening Constr. Co., 39th Ave. and Mitchell St., $2,475; 4,212 sq.yd. to F. W. Blodgett, 204 Grand Ave., $12,948.

Wis., Milwaukee—Dept. Pub. Wks., to Milwaukee General Constr. Co., 427 Mitchell St., 15,913 sq.yd. vibrolithic concrete on Atkinson Ave., $61,986, 4,124 sq.yd. one course concrete, etc., Fernwood Ave., $16,-521, 9,397 sq.yd. vibrolithic concrete etc. 15th Ave. $36,273, 7,400 sq.ft. cement walks, etc., Lapham St., $2,458, 2,012 sq.yd. one course concrete, etc., Oklahoma Ave. $6,981, 705 ft. concrete curb and gutter 27th Ave. $1,437; to **Badger Constr. Co.**, 97 Wisconsin St., 825 sq.yd. asphaltic concrete, etc., Dover Pl. $3,369, 4,500 sq.yd. sheet asphalt, etc., 16th St. $21,325; to Schwerm Bros., 50 Lee St., 4,308 sq.ft. cement walks, etc., Lake St. $1,433; to A. E. Retzlaff, 948 4th St., 1,974 sq.yd. one course concrete, etc. Melvina St., $7,309; to Dean Constr. Co., 382 East North Ave., 2,463 sq.yd. vibrolithic concrete, etc., 16th St., $10,152; to Kroening Constr. Co., 39th Ave. and Mitchell St., 1,134 sq.yd. one course concrete, etc., Wright St., $4,109; to R. H. Gumz, 831 13th Ave., 1,078 sq.yd. granite block, etc., Lake St., $7,417.

Ia., Boone—Boone Co., to **Munson & Sons**, Boone, gravel surfacing **Dists.** 25 and 15, 10,500 cu.yd. gravel 1 mi. haul $0.40, 99,-750 units additional ½ mi. haul $0.105, 3,300 cu.yd. gravel 1 mi. haul $0.42, 12,900 units additional ½ mi. haul, $0.11; Chas. Sargent Co., Hampton, Dist. 52, 4,200 cu.yd. gravel 1 mi. haul, $0.41, 52,800 units additional ½ mi. haul, $0.11; Pestotnik Bros., Boone, Dist. 14 and 34, 2,400 cu.yd. gravel composition, $1.35 and 1,200 cu.yd., $1.47; Dolson & Anderson, Geneva, Dist. 44, 56 and 42, 6,700 cu.yd. gravel 1 mi. haul, $0.38, 12,750 units additional ½ mi. haul, $0.095 and 54,000 units additional ½ mi. haul, $0.09.

Ia., Marion—Linn Co. distributing gravel for surfacing 20.75 mi. on Dist. 1, to J. A. Milner, Marion, 4,875 cu.yd. gravel 1 mi. haul, and 86,625 units additional ½ mi. haul, $10,320; J. S. Thraves, Mason City, 14,160 cu.yd. gravel 1 mi. haul, 146,490 units ½ mi. haul, $19,463; Wishard & Smalley, Charles City, 12,000 cu.yd. 1 mi. haul, 78,000 units additional ½ mi. haul, $12,360.

Ia., Sioux City — Curbing and concrete paving 51,000 sq.yd. Paxton St., to Western Asphalt Paving Corp., 1st and Nebraska Sts., $2.08.

Minn., Faribault—Rice Co., gravel surfacing 4.6 mi., Job 2305, State Rd. 19, to H. C. Farmer, Faribault, $7,636; 10.5 mi. Job 2306, State Rd. 20, to Northwestern Constr. Co., 1819 Jackson St. N., Minneapolis, $12,125; 4.7 mi. Job 2307, State Rd. 26, to P. N. Reber, Marshall, $8,498; 7.7 mi. Jobs 2314 and 2315, State Rds. 32 and 33, to P. N. Reber, Marshall, $13,586. Noted May 31.

Minn., Moorhead — Paving 13,000 sq.yd. 1st Ave. N., 9th St. N. and 8th St., vibrolithic concrete, to W. E. Kennedy, Fargo, N. D., $45,587.

Minn., Waseca—Waseca Co., 6.9 mi. Job 2306, State Aid Rd. 14, 100,000 cu.yd. excav., to J. Brown, Madison Lake, $30,863.

Kan., Paola — Paving various streets, 6,000 sq.yd. asphaltic concrete, 4,500 lin.ft. curb and gutter, etc., to J. B. Watts, Concordia, $35,900. Engrs. est. $40,000.

Kan., Valley Falls—Street improvements to McGuire & Cavender, Leavenworth, 12,-000 cu.yd. excav. $0.75, 25,000 sq.yd. 3 in. vertical fibre brick on 5 in. base $3.15, etc., total $104,120.

South Dakota—State Hy. Comn., Pierre, grading 7.68 mi. Federal Aid Project 114, Bon Homme Co., to W. Geddes, Ellendale, N. D., $20,172; 7.82 mi. Federal Aid Project 144, Union Co., to Union Co., Elk Point, $25,961; 3.11 mi. Federal Aid Project 130A, Custer Co., to W. Larson Constr. Co., 519 Secy. Natl. Bank Bldg., Sioux Falls, $44,177; 67 ft. concrete and steel viaduct on State Aid Project 73, Tripp Co., to J. L. Lynn, Winner, $3,757. Noted June 21.

Wyoming—State Hy. Comn., Cheyenne, grading, surfacing, etc., 5.3 mi. Yellowstone Highway "Glendo-South," Federal Aid Project 142-A, Platte Co., to S. L. Smith, Henry, Neb., $31,190; 4 mi. Lincoln Highway from Medicine Bow River to East Co. Line, Federal Aid Project 148, Carbon Co., to Ames, Braisted Constr. Co., Laramie, $27,171; 9.2 mi. Newcastle-Moorecroft Rd., Federal Aid Project 151-A, Newcastle Co., to Wickham Bros. & Swigert, Lovell, $84,523

Wyo., Casper — To Warren Constr. Co., Casper, paving 4,605 sq.yd. Dist. 30 and 9,680 sq.yd. also 144 sq.yd. under railroad tracks Dist. 31, 2 in. Warrenite bitulithic on 4 in. bituminous concrete, $15,224 and $34,934 respectively; to Lloyd Building Co., Casper, 3,732 sq.yd. Dist. 32, 6 in. rein.-con., $10,236.

Nevada—State Ry. Dept., Carson City, asphalt macadam surfacing 4.99 mi. Federal Aid Project 64-A, from Fallon south, Churchill 2-C-3, Contr. 80, Churchill Co., to Christensen Constr. Co., Palo Alto, Calif.; graved surfacing 9.16 mi. road from Deeth, east, Federal Aid Project 54-A-1, Elko, 1-D, Contr. 81 Elko Co., to Strahan, Bishop & Brooks, Sacramento, Calif., $108,773. Noted July 5.

Tex., Colorado—Paving 2nd and Walnut Sts., 16,120 sq.yd. 2 in. warrenite bitulithic on 5 in. base, to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $3.18 Engrs. est. $50,000. Noted June 21.

Tex., Dallas—S. A. Temple, 3659 Maplewood St., paving Kessler Sq., 14,000 sq.yd. Uvalde rock asphalt, to Uvalde Paving Co., Insurance Bldg., Dallas, $2.80. Engrs. est $35,000.

Tex., Ft. Worth—To West Texas Constr. Co., Cotton Exch. Bldg., paving 8,730 sq.yd. Evans and New York Aves. 2 in. warrenite bitulithic on 5 in. concrete $3.18, 4,951 ft. curb $0.45, 10,080 ft. gutter $0.275, etc.

Tex., Ft. Worth—Repaving 13,860 sq.yd. Jennings Ave., to General Constr. Co., Cotton Exch., Bldg., 1½ in. cold mix Uvalde rock asphalt $1.50 per sq.yd., etc. Engrs. est. $40,000. Noted June 21.

Tex., Hillsboro—Hill Co. graveling King of Trails Rd. north of here, to Womack Constr. Co., Sherman, $26,018.

Tex., Hillsboro—Hill Co. grading, gravel and rock surfacing 3.91 mi. State Highway **6, 157.6 cu.yd. concrete, 3,691 cu.yd. roadway**, 24,284 cu.yd. borrow, 9,845 cu.yd. solid and **454** cu.yd. loose rock excav., 12,075 lb. reinforcing, to Womack Constr. Co., Sherman, **$26,019; 8,258 cu.yd. rock and 44,356** cu.yd. gravel furnished by county. Engrs. est. $40,000.

Tex., Lufkin — Angelina Co. grading, gravel surfacing and bituminous topping 15 mi. State Highway 37, to J. S. Moore & Sons, Lufkin, $238,115. Noted July 5.

Okla., Wynnewood — Improving Commercial Ave., 5,800 sq.yd. vertical fibre brick, 3,100 lin.ft. concrete curbing and guttering, etc., to Cook & Stucker, Ottawa, Kan., $34,014. Noted June 28.

Colorado—State Hy. Dept., Denver, to H. M. Fox, Florence, gravel surfacing and bridging 0.587 mi. Federal Aid Project 229, Fremont Co., $34,647, engrs. est. $37,930; to White & Johnson, Chamber Commerce Bldg., Denver, paving 2.868 mi. Federal Aid Project 226-B, Weld Co., $81,749, engrs. est. $106,611; to D. Hinman, 3358 Race St., Denver, gravel surfacing 4.748 mi. Federal Aid Project 208 C, Mesa Co., $39,019, engrs. est. $59,830, 2.082 mi. Federal Aid Project 214, La Plata Co., $48,556, engrs. est. $60,-211; to Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver, concrete paving, 5.0659 mi. Federal Aid Project 135, Jefferson Co., $161,962, engrs. est. $212,445, 2.702 mi. Federal Aid Project 255 A, Morgan Co., $77,967, engrs. est. $89,988, 150 ft. truss bridge over Clear Creek, with approaches, Federal Aid Project 120, Jefferson Co. $30,055, engrs. est. $36,708. Noted July 5.

Colo., Denver—Concrete paving 12 blocks Alley Paving Dist. 98 and 12 blocks Alley Paving 97, to W. F. Pigg & Son, Engineers Bldg., $16,800 and $18,236 respectively.

Colo., Denver—Curbing, grading and surfacing 6 mi. North Side Dist. 32, to J. F. Roberts Constr. Co., Tramway Bldg., $114,-445. Noted June 28.

Utah—State Rd. Dept., Salt Lake City, to Reynolds Ely Constr. Co., Springville, improving various sections Moroni-Jubb Rd., 18 ft., Sanpete Co., concrete paving Sects A and C, $37,254 and $31,862 respectively; gravel surfacing and small structures on Sects B and D, $41,973 and $40,968 respectively.

Utah—State Rd. Comn., Salt Lake City, grading and gravel surfacing 7.395 mi. Woodruff-Wyoming State Line Rd., Rich Co., to Kroft & Bundy, Kiesel Bldg., Ogden, $51,537. Noted June 7.

Oregon — State Hy. Dept., Salem, to Schull & McKay, Bridge, grading 2.02 mi. and gravel surfacing 6.3 mi. Hunters Creek Sect. Roosevelt Highway, Curry Co., 11,400 cu.yd. common excav. $0.60, 8,500 cu.yd. intermediate $0.80, 24,500 cu.yd. solid rock $1.25, 6,150 cu.yd. crushed gravel $2.50, etc., total using rein.-con. pipe $77,880; Wallowa County Constr. Co., Court House, Enterprise, grading and gravel surfacing 6.05 mi. Enterprise-Flora Highway, Wallowa Co., 34,000 cu.yd. common excav. $0.37, 16,000 cu.yd. intermediate $0.54 and 5,200 cu.yd. solid rock $1.70, 2,000 cu.yd. broken stone sub surface $2.25, 6,800 cu.yd. top surface $2.40, 6,000 cu.yd. base $2.35, 625 cu.yd. maintenance $2.15, etc., total using rein-con. pipe $80,060; A. B. Kern, 519 Exchange Bldg., Portland, grading and gravel surfacing 10.44 mi. Vale-Ontario Sect. John Day Highway, Malheur Co., 106,600 cu.yd. common excav. $0.18, 5,500 cu.yd. intermediate $0.[illegible], 5,000 cu.yd. solid rock $0.80, 16,700 [illegible] cu.yd. crushed gravel top $1.98, 16,700 cu.yd. base $1.[illegible], 1,350 cu.yd. maintenance, $2.[illegible] total using rein.-con. pipe, $121,314.

Washington—State Hy. Comm., Olympia, grading and paving Olympic Highway from Mill Creek to Shelton, Mason Co., to Pierbrick & Nicholson, Shelton, 12,710 sq.yd. concrete $2.27 per sq.yd., etc., $47,666; Inland Empire Highway from Palouse to Pullman, to J. A. Tertering, Moscow, Idaho, 184,200 cu.yd. earth excav. $0.[illegible], 9,570 cu.yd. loose rock excav. $0.60, 5,0[illegible] cu.yd. solid rock excav. $1.25, etc., total $108,378; Inland Empire Highway from Waitsburg northeast, Walla Walla Co., 16,720 sq.yd. concrete, to Pacific Coast Paving Co., Portland, $52,165.

Wash., Bellingham—Whatcom Co., paving Acme-Wickersham Highway, 27,000 sq.yd. 6 in. to 7½ in. concrete, to C. L. [illegible] Plant, Sedro Wooley, $69,635. Noted May 3.

Wash., Seattle—Bd. Pub. Wks., concrete paving Greenwood Ave. et al., to Flora Bros., 3950 6th St. N. W., $126,249. Engrs. est. $132,787. Noted July 5.

Wash., Seattle—King Co., grading 2 mi. A. Solberg Rd., in Tolt and Carnation, to T. Hanson, c/o T. R. Beeman, co. engr., Seattle, $54,868. Noted June 7.

Calif., Berkeley—Improving Hearst Ave. to Oakland Paving Co., 5000 Bway., Oakland, 67,000 sq.ft. grading $0.06, 2,600 concrete curb and gutter $1.50, 60,000 sq.ft. 2 in. asphaltic concrete on 5 in. hydraulic concrete $0.285, etc.

Calif., Compton — Improving portions Coast Blvd., etc., to California Constr. Co., 58 2nd St., San Francisco, 49,738 sq.ft. 3 in. concrete $0.29, 1,705 sq.ft. 6 x 10 x 15 in. concrete curb $0.72, 6,340 sq.ft. concrete sidewalk $0.22, 8,308 sq.ft. clay and gravel surface $0.08, etc.

Calif., Los Angeles — Improving Wilton St., to G. R. Curtis, 2440 East 26th St., grading total $4,800, 104,481 sq.ft. asphalt $0.24, 2,350 sq.ft. walks $0.25, 5,952 sq.ft. concrete gutter $0.29, etc. Noted July 5.

Calif., Los Angeles—Improving Normandie Ave. between 54th St. and Florence Ave., to W. Liddington, 420 East 60th St., total for grading $8,452, 276,562 sq.ft. concrete paving $0.227, etc., total $84,670.

Calif., Los Angeles—Improving Diaz Ave. between Rita St. and Ventura Blvd., to J. P. Oswald, 1107 West Santa Barbara St., total for grading $6,500, 194,773 sq.ft. topeka pavements $0.19, etc.

Calif., Pittsburg—Paving with 5 in. concrete Black Diamond St., etc., to Hutchinson Co., 1706 Bway., Oakland, $34,425.

Calif., San Diego—Common Council, paving E St. between 16th and 25th Sts., to California Constr. Co., Union Bldg., 146,186 sq.ft. 1½ in. warrenite on 2½ in. bituminous at $0.20 per sq.ft., etc., total $30,049. Noted June 14. This corrects report in June 21 issue.

Calif., San Diego—Common Council, improving Julian and Marcey Aves., to California Constr. Co., Union Bldg., 213,171 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous at $0.163, etc., total $35,132. Noted June 28.

Calif., San Jose—T. A. J. Raisch, 46 Kearny St., San Francisco, improving 17th and Vine Sts., 183,740 sq.ft. grading and 3 in. Durite asphaltic concrete base with 1½ in surface, at $0.25, etc.

Ont., Toronto—For 8,000 sq.yd. asphalt on concrete on Howick, Alpine, Brandon and Chambers Aves., to Constructing & Paving Co., Confederation Life Bldg., $37,-201; 16,000 sq.yd. 4th St., Coxwell, Glebeholme and Iona Aves., to Kilmer & Barber, 24 Adelaide St. W., $67,438; 6,000 sq.yd. bitulithic on concrete, Glebeholme Blvd., Beck and Fawcett Aves., to Warren Bituminous Paving Co., 54 University Ave., $25,-902; 10,000 sq.yd. asphalt on concrete, Thorncliffe Ave., Ardagh and Durie Sts., to Asphaltic Concrete Co., Excelsior Life Bldg., $46,036; paving lane near Markham St., concrete, to National Contg. Co., 9 Garnock Ave., $1,791; Dept. of Works will build by day labor Glenmanor Dr., Burnside, Earlscourt and Evans Aves., asphalt, $45,779; Glenmanor Dr., brick block $7,-440; Alton, Battenburg and Heresy Aves., bitulithic, $22,843; lane south of Richmond St., concrete, $1,632. Noted Apr. 12.

Ont., Windsor—Paving 17,000 sq.yd. Elsmere and Marinette Aves., asphalt and concrete, to Check Contg. Co., McDougal Ave., $67,000. Engrs. est. $70,000.

Industrial Works

PROPOSED WORK

Mass., Lynn — Eastern Massachusetts Street Ry., 1 Beacon St., Boston, having plans prepared by L. H. Brown, company engr., 50 x 100 ft. substation, 15,000 k.w. capacity. $125,000.

Conn., East Hartford (Hartford P. O.)—O. B. Herith Mfg. Co., 22 Union Pl., Hartford, plans 2 story, 50 x 70 ft. factory, brick, plain foundation, Tolland St. $50,000. Engineer and architect not selected.

Conn., East Hartford (Hartford P. O.)—D. B. Roberts, 275 Connecticut Blvd. plans two 2 story garages and salesrooms, brick and steel, plain foundation, Connecticut Blvd. Each $40,000. Engineer and architect not selected.

Conn., Hartford—A. R. Blumenthal, 299 Greenfield St., having plans prepared by R. A. Sellew, 721 Main St., 2 story, 120 x 120 ft. garage, etc., brick, plain foundation, rear of Morgan St. $60,000.

Conn., Hartford — N. E. Laundry Co., Hawthorne St., plans 2 story factory addition, brick, plain foundation. $40,000. Engineer and architect not selected.

Conn., Plantsville—Walker Stuart Fdry. Co., Summer St., plans 2 story factory, brick and steel, plain foundation, Summer St. To exceed $40,000. Engineer and architect not selected.

Conn., Unionville—C. W. House & Sons, plan factory, several buildings, brick, plain foundations. $100,000. Engineer and architect not selected.

Conn., Unionville—J. J. Ramage, Lonerly St., plans 3 story, 50 x 100 ft. factory, brick, plain foundation. $60,000. Engineer and architect not selected.

N. Y., Binghamton—Dunn-Cooper Corp., Madison Ave., plans large factory addition. $50,000. Engineer and architect not selected.

N. Y., East Creek—See "Miscellaneous."

N. Y., Jamestown—Dahlstrom Metallic Door Co., Buffalo and East 2nd Sts., plans 3 story, brick and concrete factory addition. $50,000. Engineer and architect not announced.

N. Y., New York—Bd. Educ., 500 Park Ave., had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, 4 story brick, steel and concrete garage, Brook Ave. $350,000.

N. Y., New York—H. Mitchell, c/o J. J. Dunnigan, archt. and engr. 394 East 150th St., had plans prepared 2 story, 115 x 120 ft., brick, steel and concrete garage, plain foundation, East 172nd St. $85,000.

N. Y., North Albany (Albany P. O.)—Adirondack Power & Light Corp., 511 State St., Schenectady, plans new sub station, here. $40,000.

N. J., North Bergen—G. Borgfeldt & Co., 16th St. and Irving Pl., New York City, soon takes new bids 2 story, brick and steel factory, here. Lockwood-Green & Co., 101 Park Ave., New York City, archts. and engrs.

N. Y., Penn Yan—Penn Yan Boat Co. plans 80 x 120 ft. concrete factory, paint shop and 60 x 100 ft. storage room, Keuka Lake. $50,000. Engineer and architect not announced.

Pa., Orangeville — Orangeville Brick & Sheet Products Co. plans brick making plant. $100,000. Architect not announced.

Pa., Lucinda—Lucinda Refining Co. plans to rebuild major portion of refinery destroyed by fire. $75,000. Architect not announced.

Pa., Rankin (Braddock P. O.)—Acheson Mfg. Co., plans 1 story, 80 x 150 ft., 100 x 150 ft. and 100 x 200 ft. factory buildings, steel beams of columns. $150,000. Private plans.

Pa., Rural Valley—Rural Valley Boro. Electric Corp. plans electric light and power plant. G. E. Murrie, c/o owner, in charge.

W. Va., Beechbottom—American Gas & Electric Co., plans to rebuild power plant, recently destroyed by fire. $50,000.

W. Va., Williamson—S. M. Goodloe having plans prepared by D. M. Good, Williamson, 3-story and basement, 50x100 ft. garage, brick and steel, $40,000.

N. C., Raleigh—See "Miscellaneous."

La., New Orleans—Todd Eng. Dry Dock & Repair Co., South Peters and Howard Sts., had plans prepared by W. E. Hart, mgr. Enterprise Electric Co., 826 Baronne St., 2 steel frame buildings and warehouses, each 129 ft. square on 6 ft. concrete wall and pile foundation. $60,000 each.

Tenn., Bristol—Cortrim Lumber Co. plans large addition to its lumber and planing mill. $50,000. Engineer and architect not announced.

Tenn., Memphis—O. K. Storage & Transfer Co., Jefferson Ave., plans 6 story, storage warehouse, on 190 x 270 ft. site on Madison Ave. near McNeill St.

Ky., Danville—See "Miscellaneous."

Ky., Louisville—Inman Co., 29th St. and Bway., plans 4 story, 200 x 750 ft. factory, brick and concrete, near 30th St. and Bway. $500,000. Engineer and architect not selected.

Ky., Louisville—E. Straus, Market and 4th Sts., plans factory, Baxter and Hamilton Aves. $200,000. Engineer and architect not selected.

Ky., Newport—F. Voss & Sons Co., plans rebuilding 2-story lumber plant, recently destroyed by fire, $125,000.

O., Cleveland—Aetna Rubber Co., 811 East 79th St., having plans prepared 2 story, 55 x 60 ft. and 2 story 33 x 133 ft., brick and steel factory. $50,000. Private plans.

O., Cleveland—J. Bassichis & Son, Society for Savings Bldg., had plans prepared by D. A. Reamer, 1612 Northland Ave., Lakewood, 1 story, 46 x 90 ft. and 1 story, 33 x 89 ft., brick and steel factories, 1535 and 1657 Hamilton Ave. $40,000.

O., Cleveland—Fisher Body Ohio Co., General Motors Bldg., Detroit, Mich., had plans prepared 1-story, 120 x 240 ft. storage plant, and 78 x 562 ft. train shed, brick and steel, East 140th St. and Colt Rd., here. $300,000. Private plans.

O., Cleveland—L. J. Hostetter, 10803 Earle Ave., had plans prepared by J. H. Graham & Co., 8201 Cedar Ave., 1 story, 50 x 127 ft., brick and steel garage, 2024 East 70th St. $40,000.

O., Cleveland—M. Rubin, c/o A. F. Janowit, archt., Standard Theatre Bldg., plans 1 story, brick and steel garage, Lakefront and Hartshorn Rds. $40,000.

O., Cleveland—H. S. Thomas of Stutz Motor Co., 4310 Carnegie Ave., plans 1 story, brick, steel and concrete garage and salesroom addition, on 66 x 186 ft. lot, 4211 Carnegie Ave. $50,000.

O., Euclid—K. F. Spieth, 3439 East Scarborough Rd., Cleveland Heights, had plans prepared by A. C. Wolf and F. M. Griffith, Swetland Bldg., Cleveland, 1 story, 40 x 100 ft., brick and steel commercial building and garage, here. $40,000.

O., Lima—Ohio Power Co. purchased 8 acres land northwest of city in Bath Twp. and plans high tension sub-station. $100,000.

O., Sycamore—Blue Bar Mfg. Co. plans rebuilding plant. $50,000. Engineer and architect not announced.

Ind., Laporte—Bastian-Morley Co. plans 2 story addition to plant. $42,500.

Ind., Valparaiso—Smith & Smith Lumber Co. plans to rebuild portion of mill recently destroyed by fire. $50,000. Engineer and architect not announced.

Mich., Detroit — A. H. Gould & Son, archts., 602 Empire Bldg., preparing plans 1 story and basement, 100 x 150 ft., garage and show room, brick, steel and concrete, plain foundation. $75,000. Owner's name withheld.

Wis., Baraboo—H. H. Mueller having plans prepared by E. Tough, Conklin Bldg., Madison, 2 story, 60 x 65 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000.

Wis., Belgium — Krier Preserving Co. plans to rebuild main building recently destroyed by cyclone, brick and timber. $40,000. Private plans.

Wis., Cuba City—Connecting Link Mining Co. having plans prepared 1 story, 60 x 90 ft., mill, brick and rein.-con., plain foundation. $40,000. Private plans.

Wis., Cuba City—Scott-Sellick Co. having plans prepared 1 story, 60 x 150 ft., brick and stone mill, plain foundation. $50,000. Private plans.

Wis., Janesville — Chevrolet Motor Co. having plans prepared by C. E. Wilson, engr. c/o owner, 1 story, 90 x 288 ft., brick, rein.-con. and steel factory, plain foundation. $100,000.

Wis., Port Washington — City having plans prepared by E. E. Dillon, engr., Washington Bldg., Madison, central heating plant, rein.-con., brick and steel, plain foundation. $125,000.

Wis., Shawano—E. H. Kuester had plans prepared by C. C. Fritz, Shawano, 2 story, brick and timber laundry, plain foundation $40,000.

Minn., St. Cloud—A. Peter and A. J. Durupt, making plans 2 story and basement, 66 x 150 ft., brick and concrete garage. $40,000.

N. D., Minot—White Ice Cream Co., c/o E. White, Sr., plans brick and concrete factory, probably 2 story. $40,000. Engineer and architect not announced.

Mo., Carthage—Liggett & Platt Spring Bed & Mfg. Co., plans 2 story slow combustion type factory. $50,000. Engineer and architect not announced.

Mo., Clayton—H. V. Grover, 7919 Forsythe Blvd., plans 2 story, 80 x 200 ft. garage and two 3 story apartments, rein.-con. and brick, plain foundation, Meramec St. $150,000. Engineer and architect not announced.

Mo., Springfield—Springfield Packing Co., 741 South Weller St., plans 2 story plant, Weller St. $300,000. Engineer and architect not announced.

Mo., St. Louis—Hannibal—Brown Shoe Co., 12th and Washington Sts., had plans prepared by W. A. Thum, Granite Bldg., 3 story, 60 x 225 ft. and 60 x 80 ft., brick and timber factory, plain foundation. $150,000.

Mo., St. Louis—St. Louis Coffin Co., 1821 Chouteau Ave., plans 2 and 3 story, 102 x 125 ft. factory addition. $75,000. Private plans.

Tex., Dallas—B. E. Keith Co., Cadiz and Preston Sts., having plans prepared and takes bids this summer 3 story and basement, 90 x 135 ft., produce and fruit storage building, brick and concrete. $175,000-$200,000. Engineer and architect not announced.

Tex., Ft. Worth—Texas & Pacific R.R., Union Station, plans new shops, roundhouses, yards, etc. $500,000. E. F. Mitchell, Texas & Pacific Bldg., Dallas, ch. engr.

Wyo., Casper—White Eagle Oil & Refining Co., plans large oil refinery, 3,000 bbl. capacity. $55,000. Architect not announced.

Ore., Bishops Meadows—Store, Theatre, etc.—See "Miscellaneous."

Ore., The Dalles—Oregon, Washington Ry. and Navigation Co., Wells-Fargo Bldg., Portland, plans tie treating plant, here. $348,766. S. Murray, asst. ch. engr., in charge of work.

Oregon—See "Railways."

Calif., Los Angeles—Acme White Lead & Color Wks., 345 East 3rd St., had plans prepared by Swasey & McAfee, Hibernian Bldg., 1 story factory, brick, Alosta St. $50,000.

Calif., Los Angeles—City had plans prepared warehouses, mill, etc., rein.-con., San Pedro St., for Bd. Educ., $175,000. E. H. Cline, of Architectural Dept., Bd. Educ., Citizens Natl. Bank Bldg., in charge.

Calif., Los Angeles—Southern Pacific Co., Southern Pacific Bldg., having plans prepared 1 story, 34 x 498 ft. locomotive erecting shop, brick and steel, with 24 concrete engine pits served by 250 ton and two 15 ton traveling cranes. $600,000. Private plans.

Calif., Oakland—J. W. Murray Mfg. Co., 5-140 General Motors Bldg., Detroit, Mich., plans factory, here. $250,000 or more.

Calif., Orange—Central Lemon Growers Assn., Villa Park Rd., Villa Park, plans packing plant. $60,000.

Calif., San Pedro—Los Angeles Warehouse Co., 316 Commercial St., Los Angeles, soon takes bids 5 story and basement 100 x 150 ft. warehouse, rein.-con., Commercial and San Pedro Sts., here. A. C. Martin, Higgins Bldg., Los Angeles, archt.

Calif., San Francisco—J. D. Phelan, c/o A. G. Scholz, arch., Phelan Bldg., had plans prepared 1 story, 222x312 ft. garage, rein.-con., 17th and Valencia Sts., $200,000.

Calif., Sacramento — Ochsner Estate, Ochsner Bldg., having plans prepared by E. C. Hemmings, Ochsner Bldg., 1 story, 40 x 160 ft. garage, concrete and brick, K and 14th Sts. $40,000. Reo Motor Car Co., 1309 K St., lessee.

Calif., San Francisco — Hotel Owners Laundry Co., 722 York St., having plans prepared by Meyer & Johnson, Bankers Investment Bldg., 1 story, laundry, rein.-con., Folsom St. $40,000.

Calif., San Francisco—L. R. Lurie, 315 Montgomery St., having plans prepared by O'Brien Bros., Inc., 315 Montgomery St., 1 story garage, rein.-con., 7th and Bryant Sts. $40,000. Pickwick Corp. and Pacific Auto Stage Lines, 3730 Mission St., lessees.

Calif., San Francisco — Pacific Gas & Electric Co., 445 Sutter St., had plans prepared 2 story, 42 x 80 ft. electric sub-station, concrete and steel, Minna St. near 8th St. $40,000. Private plans.

Calif., San Francisco—Williams Bros. Aircraft Corp., 1211 Van Ness Ave., had plans prepared by R. R. Irvine, 736 New Call

Industrial Works (Continued)

Bldg., 2 story, 100 x 200 ft., concrete factory, 25th St. between Potrero Ave. and Utah St. $40,000.

Calif., Vallejo—San Pablo Ice Co., foot of York St., plans ice plant, on 100 x 100 ft. site.

Man., St. Boniface — Dominion Tar & Chemical Co., Ltd., soon takes bids 69 x 175 ft., 50 x 60 ft. and 60 x 100 ft. factory buildings, concrete and brick, Norwood Rd. $250,000. L. O. P. Walsh, vice pres.

BIDS DESIRED

N. Y., New York—July 18, by G. A. Whalen, comr. Plant & Structures, Municipal Bldg., housing station, Cromwell Ave. south of West 170th St., for Street Cleaning Dept.

Md., Baltimore—July 17, by J. K. Stack, archt., 308 East Lafayette Ave., 2 or 3 story, 103 x 150 ft. laundry, Eutaw and St. Marys Sts., for Archers Laundry, c/o J. Archer, Howard and Mulberry Sts. $300,000. H. F. Doelman, 507 North Charles St., engr. Noted March 15.

O., Cleveland—Lees-Bradner Co., 6210 Carnegie Ave., taking bids 1 story, 55 x 100 ft. machine shop, and 1 story, 30 x 100 ft. storage plant, brick and steel, 6210 Carnegie Ave. $50,000. W. J. Wefel, Union Bldg., archt. Noted June 21.

Ill., Chicago—M. Binz, c/o Harders Fireproof Storage & Van Co., Calumet and 40th Sts., taking bids 1 story, 130 x 175 ft. garage, fireproof. $40,000. L. E. Russell, 25 North Dearborn St., archt.

Wis., Fond du Lac—H. W. Voell, 59 North Main St., taking bids 2 story, 50 x 60 ft., brick, concrete and steel garage, plain foundation. $40,000. Private plans.

Wis., Madison—Small & Flad, archts., Ellsworth Bldg., taking bids 1 story, 60 x 87 ft., brick, rein.-con. and steel garage, plain foundation, for Madison Ford Garage, 210 East Washington Ave. $40,000. Noted June 14.

Wis., Milwaukee—P. J. Fischer, 241 Rusk Ave., taking bids and opens same about July 16, 1 story, 60 x 100 ft., plant, concrete, plain foundation. $40,000. Private plans.

Mo., Farber—Farber Fire Brick Co. taking bids 1 and 2 story plant. $100,000. A. Seelig, c/o owner, archt.

Calif., Los Angeles—A. C. Martin, archt., Higgins Bldg., receiving bids 5 story warehouse, rein.-con., Commercial and San Pedro Sts., for Los Angeles Warehouse Co., 316 Commercial St. Noted May 10.

Calif., San Francisco — Williams Bros. Aircraft Corp., Van Ness Ave., taking bids 1 and 2 story factory, concrete, 25th St. between Potrero Ave. and Utah St. $40,000. R. R. Irvine, 736 Call Bldg., archt.

CONTRACTS AWARDED

Mass., Cambridge—Harvard Sq. Garage Co., Harvard Sq., 2 story, 75 x 130 ft. top addition to garage, terra cotta and steel, Dunster St., to S. C. Sperry, Inc., 299 Main St., $55,000. Archts. est. $60,000.

Mass., Holyoke—Farr Alpaca Co., 2 story, 63 x 73 ft. boiler house and 63 x 73 ft. steam turbine plant, Jackson St., to D. O'Connells Sons Co., 480 Hampden St., $150,000.

Conn., East Hartford (Hartford P. O.)—New York, New Haven & Hartford R.R., 100 x 105 ft. roundhouse, brick and steel, plain foundation, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $40,000.

Conn., Hartford—Parker Shirt Co., Walnut St., New Britain, 2 story, 40 x 80 ft. garage and storage building, brick and steel, plain foundation, Walnut St., here, to A. P. Leavitt, 87 West Main St., New Britain. Archts. est. $40,000.

N. Y., Brooklyn—C. Katz, c/o T. Goldstone, archt. and engr., 50 Graham Ave., will build 1 story, 120 x 200 ft., brick, steel and concrete garage, plain foundation, Grand St., by day labor. $50,000.

N. Y., Brooklyn—J. Cervansky, c/o T. Goldstone, archt. and engr., 50 Graham Ave., will build 1 story, brick, steel and concrete garage, plain foundation, Stockholm St., by day labor. $55,000.

N. Y., Glen Falls—See "Dams."

N. Y., Heuvelton—St. Lawrence Transmission Co., brick, concrete and steel power house and concrete dam, on Oswegatchie River, here, to G. W. Thompson Co., Gurney Bldg., Syracuse, $50,000.

N. Y., New York—Wilfred Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 1 story, 100 x 140 ft., brick and concrete garage, plain foundation, Kingsbridge Rd., by day labor. $60,000.

N. Y., Owego—Buffington Co., Inc., 60 x 200 ft., concrete and steel factory, Elm St., to Austin Co., 16112 Euclid Ave., Cleveland, O. Archts. est. $50,000.

Pa., Beaver Falls—Beaver Falls Art & Tile Co., 4 story, 180 x 300 ft. factory addition, brick and steel, 10th Ave., to Farris Eng. Co., Empire Bldg., Pittsburgh.

D. C., Wash.—M. M. Crawford, 230 Bates St. N. W., garage, to Fletcher Fireproofing Co., Davidson Bldg. Archts. est. $50,000.

W. Va., Beckley—W. C. Agge, will build 2-story and b asement, 50x115 ft. garage, brick and steel, by day labor. $40,000. G. C. Seib, Rose Turner Bldg., archt.

N. C., Greensboro—Rucker Warehouse Co., 2 story warehouse, to Hunt & Saddler, Greensboro, $150,000. Noted Mar. 29.

S. C., Greenville — Southern Worsted Corp. Co., 1 story, 180 x 578 ft. rein.-con. mill, also boiler house, water tank, small dam and pump house, to Gaston Constr. Co., Gastonia, N. C., $150,000; 84 cottages, to Minter Homes Co., Greenville, $135,000. Noted May 17.

La., New Orleans—H. M. Field, garage, Howard Ave. and Carondelet St., to C. F. Owen, New Orleans, $40,800.

La., LeCompte—See "Waterworks."

Tenn., Clarksville—Dark Tobacco Growers Co-operative Assn., Hopkinsville, Ky., 1 story, 215 x 280 ft., brick warehouse, here to Sumner Constr. Co., Broad St., Nashville, $60,000.

Ill., Cahokia—Union Electric Light & Power Co., 12th St. and Locust Blvd., St. Louis, Mo., second unit of plant which will eventually measure 345 x 800 ft. and generate 320,000 hp.; steel work (including erection) to Fort Pitt Steel & Iron Wks., Fulton Bldg., Pittsburgh, $350,000; two 40,000 hp. turbines, 1 to Westinghouse Electric & Mfg. Co., East Pittsburgh, and other to General Electric Co., River Rd., Schenectady, N. Y., cost of both approximately $1,000,000. Noted Jan. 11.

Ill., Robinson—Zwermann Co., 225 ft. dry kiln, to Russell Eng. Co., Ry. Exch. Bldg., St. Louis, Mo. Engrs. est. $50,000.

O., Gallipolis—See "Buildings."

Wis., Appleton — Badger Printing Co., Adkins St., will build 2 story, 32 x 40 ft., brick and concrete addition to plant, plain foundation, by day labor. D. Smith, pres. Private plans.

Wis., Hurley — Montreal Mining Co., 2 story dry house, brick and steel, plain foundation, to Worden-Allen Co., 208 South La Salle St., Chicago. Archts. est. $150,000. Noted July 5.

Wis., Madison—Schmidt Bros. Co., c/o A. J. Schmidt, 2611 Monroe St., will build 1 story, 60 x 125 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, by day labor. $40,000. Private plans. Noted June 28.

Wis., Merrill—G. B. Cotter, 1110 3rd St., will build 1 story, 38 x 108 ft., concrete factory, plain foundation, by day labor. $40,000. H. Woller, Merrill, archt.

Wis., Milwaukee—R. L. J. Clark, 2218 Meinicke Ave., 2 story and basement, 100 x 140 ft., brick and concrete garage, plain foundation, to Byrne Bros. Co., 3112 Burleigh St. Archts. est. $60,000. Noted Feb. 1.

Wis., New London—M. J. Heinz, 2 story, 30 x 80 ft. vulcanizing shop, brick, rein.-con. and stone, plain foundation, to F. Schoenrock & Sons Co., New London. Archts. est. $40,000. Noted July 28.

Wis., Port Washington—Schmit Bros., 2 story, 50 x 100 ft. addition to garage, brick and timber, plain foundation, to J. Ubbink & Son, Port Washington. Archts. est. $40,000. Noted May 31.

Wis., Racine—Amer. Skein & Fdry. Co., 23rd and Racine Sts., 2 story, 42 x 140 ft., brick and timber foundry, plain foundation, 23rd St., to Nelson & Co., Janes Bldg. Archts. est. $40,000.

Wis., Wautoma—Waushara Co. 1 story, 50 x 90 ft. heating plant for court house, jail and garage, to Heating & Power Appliance Co., 200 Pleasant St., Milwaukee. Noted May 31 under Miscellaneous.

Mo., St. Louis—J. G. Jonah, ch. engr. St. Louis & San Francisco Ry., 900 Olive St., 1 story, brick and concrete repair shop, 20 stall round house, power house, machine shop, mill shop, store room and 2 wash rooms, Fyler Ave., to T. S. Leake & Co., 608 South Dearborn St., Chicago. Archts. est. $500,000. Noted May 31.

Mo., St. Louis—Pevely Dairy Co., 1001 South Grand Blvd., 2 story, 150 x 170 ft., brick and concrete garage, Chouteau Ave., to Fruin-Colnon, Merchants Laclede Bldg. Archts. est. $100,000.

Calif., Lincoln—Gladding-McBean Co., 360 ft. continuous railroad type dry kiln, to Russell Eng. Co., Railway Exch. Bldg., St. Louis, Mo. Engrs. est. $75,000.

Calif., Los Angeles—I. Beveridge, 1 and 2 story garage, brick, Sunset Blvd. near Wilcox Ave., to Milwaukee Building Co., Wright & Callendar Bldg. To exceed $40,000.

Calif., Oroville — Wyandotte Canneries, Inc., cannery, frame and corrugated iron, to Davison & Nicolsen, 736 West Lafayette St., Stockton, $50,000. Noted July 5.

Calif., San Francisco—Herbst Bros., 1442 Mission St., 2 story warehouse, brick, Mission St. near 11th St., to Larsen-Siegrist Co., Claus Spreckles Bldg., $43,500.

Ont., Hespeler — Hespeler Woodworking Co., 2 story factory, brick and timber, to W. Johnstone, Hespeler. Est. cost $50,000. Noted May 3.

Buildings

PROPOSED WORK

Conn., Hartford—Apartment and Stores —J. Frary, 679 Albany Ave., having plans prepared by Dunkelberger & Gilman, 721 Main St., 4 story, 55 x 140 ft. with 40 x 65 ft. ell, brick and steel, plain foundation, Albany Ave. $200,000.

Conn., Hartford—Church—Central Baptist Church having plans prepared by I. A. Allen, Jr., Inc., 100 Farmington Ave., church, Main and Elm Sts. $500,000. H. S. Spencer, 280 Sigourney St., secy. Noted Apr. 12.

Conn., Hartford — Laboratory — Trinity College Corp. plans laboratory, probably red sandstone, plain foundation, Zion St. To exceed $150,000. R. B. Ogilby, pres. Trowbridge & Livingstone, 527 5th Ave., New York City, archts.

Conn., Hartford — School — Northwest School Dist. plans brick, plain foundation, Vine St. $300,000. H. V. Tuttle, 134 Edgewood St., member School Bd. Engineer and architect not selected.

Conn., Hartford — Store and Office — Nirenstein & Schwartz, 1247 Main St., having plans prepared by Berenson & Moses, 30 Allyn St., 3 story (ultimately 5 story), 60 x 120 ft., brick and steel, plain foundation, Main St. $150,000.

Conn., Meriden — Bank, etc.—Meriden Savings Bank, 63 East Main St., having preliminary sketches made by Holmes & Winslow, 134 East 44th St., New York City, brick and stone, plain foundation, East Main and Crown Sts., $165,000. Noted May 17.

N. Y., Brooklyn—Hospital—Bikur-Cholim Hospital, Lafayette and Summer Aves., having plans prepared by A. Weiser, archt. and engr., 9 West 48th St., New York City, 7 story, brick, steel and stone, plain foundation. $1,000,000.

N. Y., Brooklyn — Synagogue—Talmud Torah of Flatbush, c/o M. Courland, archt. and engr., 389 5th Ave., New York, having plans prepared 3 story, 100 x 150 ft., brick, steel and stone, plain foundation, Coney Island Ave., here. $200,000.

N. Y., Kew Gardens (Jamaica, P. O.)—School—Bd. Educ., 500 Park Ave., New York, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone, plain foundation, Kew Gardens Rd., here. $300,000.

N. Y., New York — Apartment — Octo Building Corp., c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., having plans prepared 14 story, 100 x 136 ft., brick, steel and stone, plain foundation, Bway. and 88th St. $1,500,000.

N. Y., New York—Apartments—Two Hundred Forty-Five West 74th St. Corp., c/o Sugarman, Hess & Berger, archts. and engrs., 16 East 43rd St., had plans prepared two 9 story, 80 x 102 ft., brick, steel and stone, plain foundations, West 74th St.

N. Y., New York—Museum and Office—French Institute, c/o J. H. Freedlander, archt. and engr., 681 5th Ave., having plans prepared 10 story, 44 x 100 ft., brick, steel and stone, plain foundation, 20-22 East 60th St. $375,000.

N. Y., New York—Office—New York Times, Bway. and 42nd St., had plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., altering 24 story, brick, steel and stone, Bway. and 42nd St. $150,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., received no bids July 5, 5 story, brick, steel and stone addition to P. S. 30, plain foundation, Brook Ave. Noted May 21.

N. Y., New York—School—Bd. Educ., 500 Park Ave., rejected bids June 22, P. S. 73, West 166th St. Will readvertise. Noted June 28.

N. Y., New York—Womens Court and Detention House—City soon takes bids brick, steel and stone, plain foundation, 135 West 30th St. $600,000. Private plans.

Buildings (Continued)

N. Y., Sodus—High School—Bd. Educ. having plans prepared by M. Umbrecht, Fayette Park Bldg., Syracuse, brick. $195,000.

N. Y., Syracuse—School—Bd. Contr. & Supply soon takes bids Danforth Normal School, 2 story and basement, 166 x 257 ft., brick, stone, steel, concrete and rein.-con., West Kennedy St. $400,000. Randall & Vedder, S.A.K. Bldg., Syracuse, archts. Noted Jan. 11.

N. J., Newark—Store—Goerke Co., Halsey and Broad Sts., soon takes bids three 8 story brick, steel and stone additions, plain foundations. $5,000,000. W. E. Lehman & Co., 738 Broad St., archts. and engrs.

Pa., Corapolis—Church—Corapolis Methodist Episcopal Church having plans prepared by T. B. and L. Wolfe, Century Bldg., Pittsburgh, 1 story, 65 x 142 ft. stone, State St., here. $150,000.

Pa., Franklin—Bank—Exchange Bank of Franklin, having plans prepared by W. L. Stoddard, 50 East 41st St., New York City, 3 story and basement, 68 x 85 ft., limestone or artificial stone, brick, granite and marble, 13th and Liberty Sts. $200,000.

Pa., Oil City — Church — Holy Trinity Methodist Episcopal Church plans brick and stone church. $200,000. C. W. Bolton & Son, Witherspoon Bldg., Phila., archts. Noted Feb. 22.

Pa., Williamsport — Lodge — Knights of Malta 112 West 4th St., raising fund with which to construct 3 story and basement, 100 x 110 ft., brick, steel and limestone. $150,000.

Pa., Windber—School—Bd. Educ. takes bids this summer, 3 story and basement, 100 x 120 ft., brick and concrete. $170,000 bonds voted. W. F. Kerr, Windber, archt.

Md., Baltimore — Apartment — B. L. Brown, Wash., D. C., having plans prepared by F. A. Fletcher, 407 North Charles St., 10 story, 80 x 135 ft., concrete and brick, plain foundation, Charles and 34th Sts., here. $400,000.

D. C., Wash.—Apartment—Stern & Tomlinson, archts., Continental Bldg., preparing plans apartment house, 2745 Connecticut Ave., N.W. $250,000. Owners name withheld.

W. Va., Bluefield — Municipal — Voted $850,000 bonds for municipal building, paving, sewers and parks. E. C. Barton, city engr.

W. Va., Fairmont—Club—B.P.O.E. having preliminary plans prepared by J. C. Burchinal, Fairmont, 4 story and basement, 80 x 160 ft., brick and steel, Adams St. $250,000.

W. Va., Huntington—School—Huntington Independent School Dist. sold $225,000 bonds for school. W. H. Chapman, mayor.

W. Va., Institute — Educational — West Virginia Bd. of Control, Charleston, having plans prepared by Warne, Tucker & Patterson, Masonic Bldg., Charleston, 3 story and basement, 72 x 212 ft., brick, stone, steel and tile, here. $300,000.

N. C., Charlotte—Office—Southern Ry. Co., 4th and Sycamore St., Cincinnati, O., having sketches made by S. S. and G. H. Godley, 307 East 4th St., Cincinnati, O., 3 story, 107 x 138 ft., rein.-con., brick and stone, West Trade St. along tracks of Southern Ry. $150,000.

N. C., Greensboro—College—North Carolina College for Women plans music building on campus. $175,000. J. T. Foust, pres. Engineer and architect not announced.

N. C., Greensboro—College—North Carolina College for Women, plans physical education building on campus. $225,000. J. I. Foust, pres. Engineer and architect not announced.

N. C., Greensboro—Office—Cone Export & Commission Co., having plans prepared by H. Barton, Greensboro, 3 story, 100 x 100 ft., Greene St. $150,000-$200,000. J. W. Cone, pres.

N. C., Hickory—High School—City election July 31, to vote on $300,000 bonds for high school, on Claremont property.

Fla., Miami—Hotel—Ponce De Leon Co., c/o F. V. Newell, archt., Miami, plans 9 story, 85 x 110 ft., rein.-con., 227-235 Flagler St. $500,000.

Ala., Tuscaloosa—Schools—Voted $250,000 bonds for new high school and $250,000 bonds for remodeling old buildings and other improvements. Noted May 10.

La., Baton Rouge—Hotel—S. I. Raymond, Istrouma Hotel, plans 8 story, 200 room, rein.-con. and brick, plain foundation. $500,000. Engineer and architect not announced.

WATER MAIN—CLEVELAND, OHIO

Following are lowest three bids opened by Dept. Pub. Utilities, Div. of Water, June 22, for furnishing and laying Random Rd. Main, Contr. No. 31, Baldwin-Fairmount Project. (A) Joseph Co., 3081 West 14th St.; (B) P. F. Connolly Co., 2029 East 102nd St.; (C) Langenhan Constr. Co., 408 Marshall Bldg.; contractors all of Cleveland. The unit bids were as follows:

	A	B	C
8,500 cu.yd. excavation and backfilling	$5.00	$5.90	$7.20
12 M.Ft.B.M. lumber and wooden sheeting, left in place	50.00	100.00	50.00
1,045 ton furnishing and laying cast iron, straight, bell and spigot pipe	83.00	93.00	90.00
12 ton furnishing and laying cast iron flanged, flanged and spigot, and flanged and bell pipe	180.00	200.00	190.00
40 ton furnishing and laying cast iron, bell and spigot standard fittings	150.00	200.00	180.00
8 ton furnishing and laying cast iron, bell and spigot special fittings	190.00	225.00	190.00
3 ton furnishing and laying cast iron, flanged fittings	200.00	225.00	190.00
Setting three 24-in. valves furnished by City	90.00	100.00	100.00
Setting eight 20-in. valves furnished by City	90.00	100.00	90.00
Setting one 16-in. valve furnished by City	80.00	25.00	70.00
Setting two 12-in. valves furnished by City	70.00	25.00	50.00
Setting two 10-in. valves furnished by City	40.00	25.00	50.00
35 cu.yd. brick masonry	28.00	30.00	40.00
30 cu.yd. concrete masonry	20.00	30.00	40.00
500 lb. steel reinforcement and miscellaneous wrought iron	.10	.20	.10
250 ft. furnishing and laying 12-in. vitrified pipe drains	2.50	5.00	3.00
200 ft. furnishing and laying 10-in. vitrified pipe drains	2.50	4.00	2.80
200 ft. furnishing and laying 8-in. vitrified pipe drains	2.25	3.00	2.50
300 ft. furnishing and laying 6-in. vitrified pipe drains	2.00	2.00	2.00
300 ft. furnishing and laying 4-in. vitrified pipe drains	1.00	1.00	1.50
9 sets furnishing and setting 2-in. brass drains; and setting 2-in. valves and valve-boxes, furnished by the City	35.00	50.00	20.00
200 ft. furnishing and laying 2-in. galvanized iron pipe	1.00	1.50	2.50
8 ton furnishing and delivering surplus 24-in. cast iron pipe, and fittings	50.00	50.00	50.00
Extended totals	$146,425	$169,385	$175,300

PIPE LINE—SAN FRANCISCO, CALIF.

Following are lowest three bids opened by City and County of San Francisco for Bay Crossing pipe line, Contr. No. 90, Hetch Hetchy Project. (A) Western Pipe & Steel Co., 444 Market St., (awarded contract); (B) Bethlehem Shipbuilding Corp., 20th and Illinois Sts.; (C) Moore Shipbuilding Co., Balfour Bldg.; contractors all of San Francisco. The unit bids were as follows:

Groups R. L. W and X	A	B	C
31,040 lin.ft. pipe of 7/16 in. plate not including pipe on trestle and bridge	$19.72	$21.74	$29.00
17,560 lin. ft. pipe of 7/16 in. plate, Newark Sect., on trestle and bridge	20.15	21.74	29.00
32,000 lin.ft. pipe of 7/16 in. plate, Redwood Sect., not including pipe on trestle	19.72	21.74	29.00
6,000 lin.ft. pipe of 7/16 in. plate, Redwood Sect., on trestle and bridge	20.15	21.74	29.00
5,370 lin.ft. pipe of ½ in. plate, Redwood Sect	17.68	19.89	28.50
10,670 lin.ft. pipe of 5/16 in. plate, Redwood Sect	16.78	18.24	28.73
All Groups			
5 expansion joints for pipe of 5/16 in. plate	$559.00	$1,587.00	$600.00
30 expansion joints for pipe of ½ and 7/16 in. plate	589.50	1,587.00	624.00
55 manholes	96.00	178.40	197.00
8,000 lb. reinforcing plates, bumped heads, and structural steel	0.23	0.01½	0.10
*15,000 lb. installing castings furnished by city	0.17	0.01½	0.03
*30,000 lb. laying c. i. pipe furnished by city	0.03	0.02	0.03
30,000 lb. installing metal work furnished by city, not included in items marked *	0.09	0.03	0.05
63,000 cu.yd. earth excavation, Newark Sect., Group R	1.08	1.00	1.10
50 cu.yd. rock excavation, Newark Sect	4.03	4.00	4.40
100,000 cu.yd. earth excavation, Redwood Sect., Group R	1.08	1.00	1.10
500 cu.yd. rock excavation, Redwood Sect	4.03	4.00	4.40
100 cu.yd. dry rubble masonry	5.05	5.00	5.50
650 cu.yd. concrete, Class A	30.25	35.00	38.30
50 cu.yd. concrete, Class B	40.30	50.00	55.00
15 bbl. extra cement	5.05	5.00	5.50
8,000 lb. reinforcing steel	0.10	0.15	0.16½
150 cu.yd. crushed rock in drains	5.05	5.00	5.50
1,000 lin.ft. 6 in. underdrains	0.50	1.25	1.37½
6,000 sq.ft. broken rock pavement	0.20	0.20	0.22
1,000 sq.ft. asphaltic surface on broken rock pavement	0.30	0.30	0.33
Extended totals (approximate)	$2,231,661	$2,450,115	$3,225,397

COAGULATION BASINS—CLEVELAND, OHIO

Bids were opened by Dept. of Pub. Utilities, Div. of Water, May 25, for coagulation basins at Baldwin Filtration Plant, Contr. No. 44, Baldwin-Fairmount Project. (A) Stange-Walsh Constr. Co., 2315 Fairmount Rd., Cleveland, (awarded contract); (B) P. F. Connolly Co., 2029 East 102nd St., Cleveland; (C) E. J. Gass, 1636 Calvert Ave., Detroit, Mich. The unit bids were as follows:

	A	B	C
21,800 cu.yd. excavation	$5.00	$2.50	$4.50
85,800 cu.yd. backfill	.40	2.00	1.00
12,800 cu.yd. concrete in foundations and drains	23.00	20.00	20.00
3,260 cu.yd. concrete in sub-floors	23.00	20.00	17.00
6,450 cu.yd. concrete in floors of basins	23.00	20.00	17.00
7,350 cu.yd. concrete in walls, beams and slabs	23.00	25.00	31.00
10,410 cu.yd. concrete in arches, columns and stiffening walls	23.00	25.00	38.00
50 cu.yd. miscellaneous concrete	23.00	30.00	31.00
50 bbl. additional portland cement	4.00	5.00	3.00
810 cu.yd. crushed stone around drains and weepers	5.00	5.00	4.00
360 cu.yd. cinders around drains	3.00	3.00	1.50
2,812,000 lb. reinforcing steel	.05	.07	.045
34,000 lb. structural steel	.10	.10	.10
82,400 lb. miscellaneous wrought iron and steel	.10	.12	.13
44,000 lb. miscellaneous cast iron	.10	.10	.12
275 lb. miscellaneous bronze	1.00	1.00	1.00
108 ton straight B. and S. cast iron pipe	80.00	80.00	115.00
5 ton standard B. and S. cast iron fittings	170.00	160.00	225.00
1 ton special B. and S. cast iron fittings	230.00	225.00	285.00
70 ton cast iron drains	80.00	70.00	120.00
31 ton flanged pipe and fittings	250.00	300.00	315.00
18 5 x 7 ft. sluice gates	1,800.00	3,000.00	2,450.00
6 5 x 7 ft. wall castings	300.00	400.00	390.00
24 20-in. mud valves	300.00	400.00	355.00
4 16-in. sluice gates	300.00	400.00	400.00
8 12-in. sluice gates	300.00	350.00	325.00
6 4-in. flush hydrants	100.00	100.00	75.00
3 8-in. valves, bell ends	50.00	100.00	60.00
10 6-in. flanged valves	30.00	50.00	45.00
6 4-in. flanged valves	20.00	40.00	25.00
112 2½-in. hose gates and fittings	15.00	25.00	12.00
Miscellaneous valves and W. I. pipe, (lump sum)	100.00	200.00	35.00
1,870 lin.ft. 6-in. vitrified pipe drains	.50	1.00	.40
Stop and weir planks (lump sum)	1,000.00	1,250.00	2,300.00
11,500 lb. copper expansion joints	.50	.50	.34
58,700 lb. bituminous filler	.05	.08	.05
320 sq.ft. brass screens	1.50	1.00	1.15
95 lin.ft. 2-in. iron pipe hand rail	4.00	5.00	5.80
Main drain (lump sum)	30,000.00	30,000.00	35,000.00
Extended totals	$1,365,425	$1,485,249	$1,519,663

Buildings (Continued)

La., New Orleans—Store—M. Barnett Furniture Co., Inc., Baronne St., plans 8 story, modern construction, Carondelet and Lafayette Sts. $300,000.

Tenn., Dyersburg — Bank and Office — First Citizens Bank Bldg., soon takes bids 6 story, 50 x 75 ft., brick, concrete and stone. $250,000. Spencer & Phillips, Goodwyn Institute Bldg., Memphis, archts.

Tenn., Memphis—Fire Houses—City sold $150,000 bonds 3 fire houses, one on 3rd and Linden Sts., one on Binghampton St. and other on Tri-State Fair Grounds. W. B. Fowler, city engr.

Tenn., Memphis—Hospital—H. J. Kramer, archt., 632 Goodwyn Institute, takes bids about Oct. 1, 3 story, and basement, 50 x 210 ft., rein.-con., tile and brick, Summer Ave., for Sisters of St. Francis. $300,000.

Tenn., Memphis—Jail—City voted $300,000 bonds jail on Washington St. W. B. Fowler, city engr.

Ky., Ashland — Library — Bd. Directors Pub. Library plan library. $150,000. J. O. Mathewson, pres. Engineer and architect not selected.

Ky., Louisville—Club—Knights of Columbus, 816 4th St., plans 130 x 200 ft. club house, probably 6 story, 4th St. near York St. $600,000. Engineer and architect not selected.

Ky., Louisville—Hospital—D. X. Murphy & Bro., archts., Louisville Trust Bldg., take bids about Aug. 10, 5 story, on 19 acre site, Eastern Parkway and Preston St., for St. Josephs Infirmary, 637 4th St. $1,500,000.

O., Canton—Store and Parish House—First Methodist Episcopal Church having plans prepared by W. T. Mills, 67 East Long St., Columbus, 4 story, 65 x 100 ft., 2nd Ave. and Cleveland Ave. S. W. $155,000 or more.

O., Cleveland—Apartment—Adler Bros., 11516 Temblett Ave., having plans prepared by M. Weis, 617 Union Bldg., 2 story and basement, 100 x 138 ft., brick and timber, Lake Ave. near West 117th St. $150,000.

O., Cleveland—Apartment, etc.—Euclid-81st Realty Co., c/o J. H. MacDowell, archt., Court House, having plans prepared 1 and 4 story, brick, steel and concrete garage and apartment addition, 8104 Euclid Ave. $150,000.

O., Cleveland—Y.M.C.A., 2200 Prospect Ave., plans brick, steel and concrete, on lot 136 x 181 ft., Carnegie Ave. and Fairmount Rd. $300,000. Hubbell & Benes, 4500 Euclid Ave., archts.

O., Columbus—Hotel—Neil House Co., Majestic Bldg., cancelled contract for hotel, about 17 story, 162 x 187 ft., brick, stone and terra cotta, South High St. $4,000,000. New Plans to be drawn by G. Drach, 1701 Union Trust Bldg., Cincinnati.

O., Shaker Heights (Cleveland P. O.—School—University School, c/o A. C. Brown, 4403 St. Clair Ave., Cleveland, having plans prepared by Walker & Weeks, 1900 Euclid Ave., Cleveland, group of school buildings, 2 and 4 story, brick, steel and concrete, North Woodland Rd. here. $1,000,000.

O., Sylvania—High School—Bd. Educ. plans 2 story and basement, fireproof. $150,000. Engineer and architect not selected.

O., Wapakoneta — High School — Bd. Educ. having sketches made by F. L. Packard, New Hayden Bldg., Columbus, brick and concrete. $165,000.

O., Zanesville—High School—Bd. Educ. having sketches made by F. L. Packard, New Hayden Bldg., Columbus, brick and concrete. $150,000 or more.

Mich., Detroit—Bank—First State Bank, Griswold St. and Lafayette Blvd., having plans prepared by A. Kahn, 1000 Marquette Bldg., 4 story and basement, brick, steel, rein.-con. and stone, plain foundation. $500,000. Noted Dec. 28.

Mich., Ypsilanti—High School—Bd. Educ. having plans prepared by Smith, Hinchman & Grylls, 800 Marunette Bldg., Detroit, 2 story and basement, 75 x 400 ft. brick, steel and rein.-con., plain foundation.

Ill., Duquoin — Church — First Baptist Church having plans prepared by Dougherty & Gardener, Stahlman Bldg., Nashville, 2 story, 97 x 118 ft., brick, $150,000. R. C. F. Kelly, pastor.

Ill., Edwardsville — High School — Bd. Educ. having plans prepared by M. Kane, Bohn Bldg., 2 story and basement, rein.-con. and brick, for Dist. 77. $300,000.

Ill., Edwardsville—Hospital—Madison Co. Tuberculosis Sanitarium, c/o C. H. Dorris, secy., Collinsville, plans 2 and 3 story, rein.-con. and brick, near here. $200,000. Architect not announced.

Wis., Kenosha—Church—St. Matthews Episcopal Congregation, c/o M. J. Van Zandt, 256 Park Pl., having preliminary plans prepared by H. C. Haeuser, 445 Milwaukee St., Milwaukee, altering and building 2 story addition, stone and concrete, plain foundation. $150,000.

Wis., Madison—Apartment—M. Woldenburg, 54 West Kinzie St., Chicago, plans 5 story, rein.-con., brick and steel, plain foundation, State and Hawthorne Sts. $300,000. Engineer and architect not selected.

Wis., Madison — Auditorium — Madison Auditorium Co., 357 Washington Blvd., having plans prepared by Balch & Lippert, Gay Bldg., 3 story, 84 x 88 ft., brick, rein.-con. and steel plain foundation, Main St. $350,000. Noted May 17.

Wis., Madison—Church—Grace Episcopal Church, c/o H. H. Lumpkin, 116 West Washington St., having plans prepared by Otis & Fuller, 6 North Michigan Ave., Chicago, 3 story, 60 x 95 ft., rein.-con., steel and brick, plain foundation, Carroll St. $150,000. Noted July 28.

Wis., Madison—Church and Auditorium—Parkside Presbyterian Church, c/o W. D. Williams, pastor, 1418 East Dayton St., having plans prepared by E. Tough, Conklin Bldg., 3 story, 60 x 112 ft., brick, rein.-con. and stone, plain foundation, Few St.

Wis., Madison — Sanitarium — Madison Medical & Benevolent Assn., c/o R. S. Ingersoll, Lakeside, plans 3 story, 45 x 105 ft., brick, rein.-con. and steel, plain foundation. $150,000. Engineer and architect not selected.

Wis., Milwaukee—Dormitory—Milwaukee-Downer College, 530 Hartford Ave., plans brick, tile and concrete, plain foundation. $150,000. Engineer and architect not selected.

Wis., North Milwaukee—High School—Joint School Dist. 17, having plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., Milwaukee, 2 story and basement, brick, tile and concrete, plain foundation, Custer Ave. $150,000.

Wis., Oshkosh—Bank—Old Commercial Natl. Bank, Main and Washington Sts., plans brick or stone and concrete, plain foundation, Main St. and Algoma Blvd $200,000. Engineer and architect not selected.

Wis., Oshkosh—School—Bd. of Normal Regents, Capitol, Madison, plans 4 story, rein.-con., brick and steel, plain foundation. $155,000 appropriated by State Legislature. W. J. Kettle, secy. Engineer and architect not selected.

Wis., Racine—Church—Holy Communion English Lutheran Congregation, 1013 Center St., plans 2 story, brick and tile, plain foundation, 8th St. and Park Ave. $150,000. Engineer and architect not selected.

Wis., Racine — Church — Holy English Lutheran Congregation, c/o G. W. Genszler, pastor, 1013 Center St., plans 1 or 3 story, 120 x 120 ft. brick, rein.-con. and steel, plain foundation, 8th and Park Sts. $155,000. Engineer and architect not selected.

Wis., Wauwatosa — Home — Evangelical Lutheran Kinderfreund Society, West Milwaukee Ave., had plans prepared by R. Messmer & Bros., 221 Grand Ave., Milwaukee, 3 story and basement, 80 x 165 ft., brick and concrete, plain foundation, West Main St. $150,000. Architects taking bids on excavation.

In., Marion—High School—Election soon to vote on $150,000 bonds for 3 story and basement, rein.-con., brick and stone, for Bd. Educ. W. J. Brown, 201 Amer. Trust Bldg., Cedar Rapids, archts. Noted June 14.

Minn., Fosston—High School—Bd. Educ. having plans prepared by C. B. Funk, 1st Natl. Bank Bldg., Bemidji, 3 story and basement, rein.-con., brick and stone. $150,000.

Kan., Dodge City—Hospital—Sisters of St. Joseph having preliminary plans prepared by Lorentz, Schmidt & Co., 516 4th Natl. Bank, Wichita, brick, here. $150,000.

Kan., Iola—School—Bd. Educ. had plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, 2 story and basement, 90 x 140 ft., rein.-con. brick and stone. $150,000. Noted May 10.

Kan., Topeka—Hospital—Amer. Hospital Assn. having preliminary plans prepared rein.-con., brick and stone, 6th St. $500,000. Private plans.

Kan., Wichita—Office—W. L. Mattheus, 511 1st Natl. Bank Bldg., plans 12 story, 100 x 140 ft., rein.-con. and steel, North Main St. $700,000. Engineer and architect not selected.

Mo., Bowling Green—High School—Bd. Educ. rejected bids June 8, 2 story, rein.-con. and brick, plain foundat[illegible] $150,000. Will modify plans and readver[illegible]. Noted May 24.

Mo., Hannibal—Schools—Bd. Educ. having plans prepared by M. S. Ma[illegible] Holmes Bldg., new schools incl. 1 high [illegible] 2 grade schools, also improving and re[illegible]ing other schools. $600,000 bonds voted.

Mo., Joplin—Memorial—July [illegible] to vote on $250,000 bonds for memorial. Engineer and architect not selected.

Mo., Kansas City—Hospital—J. O. Hogg, archt., 22nd and Oak Sts., preparing plans and takes bids in fall, 12 story and basement, 190 x 230 ft., rein.-con. brick and steel, 31st and Tracey Sts., for Heart of America Hospital, c/o architect. $2,000,000. W. E. Gillham, 409 Interstate Bldg., mechanical engr. Noted May 17.

Mo., Kirksville—High School—Bd. Educ. having plans prepared by I. Dunbar, c/o owner, 2 story and basement, rein.-con. and brick, plain foundation. $150,000. Noted Feb. 22.

Mo., St. Charles—Hospital—Sisters of St. Mary, 2nd and Clay Sts., having plans prepared by V. J. Klutho, 915 Syndicate Trust Bldg., St. Louis, 3 story and basement, 50 x 75 ft., brick and concrete, plain foundation. $150,000.

Ark., Conway—Gymnasium and Dormitory—Hendrix College having plans prepared by H. C. Hibbs, 4th and 1st Natl. Bank Bldg., Nashville, Tenn., for gymnasium and dormitory. $200,000.

Tex., Dallas—Apartment—Clarke & Reed 2525 Oak Lawn Ave., having plans prepared by D. D. Swindle, archt. and engr. 1707½ Main St., 4 or 5 story and basement, concrete and brick, plain foundation. $400,000.

Tex., Dallas—Arts and Auditorium—J. P. Burrus, Interurban Bldg., F. Wozencraft, Wilson Bldg., and others, having plans prepared by R. H. Hunt & Co., archts. and engrs., Great Southwestern Life Bldg., 8 story and basement, 125 x 200 ft., steel, concrete and brick, Johnson and Poydras Sts. $750,000.

Tex., Dallas—Office—Lone Star Gas Co., Southwestern Life Bldg., having plans prepared by Lang & Witchell, archts. and engrs., Amer. Exch. Natl. Bank Bldg., and takes bids about Aug. 20, 4 story and basement, (ultimately 12 story), 83 x 90 ft., brick and concrete, plain foundation, Harwood and Wood Sts. $175,000.

Tex., Denton—Schools—Bd. Educ. having plans prepared by W. G. Clarkson, engr. and archt., 1st Natl. Bank Bldg., Ft Worth, and takes bids in late summer Ward School and High School, 2 and 3 story and basement, brick and rein.-con. plain foundation. $40,000 and $160,000 respectively.

Tex., Eastland—Hotel—A. and C. Garner, Dublin, plan 4 story and basement, hotel and chamber of commerce auditorium, brick and rein.-con., plain foundation, West Main St., here. $200,000. Engineer and architect not announced.

Tex., San Antonio—Hotel—Daly-Moffatt Hotels Inc. plans 3 story, 140 x 160 ft., rein.-con., tile and stucco, concrete pile foundation. $500,000. Engineer and architect not selected.

Okla., Muskogee — School — Election in October to vote on $150,000 bonds for school.

Colo., Ft., Collins—Administration—Colorado State Agricultural College rejected bids, 3 story, 55 x 137 ft., stone, terra cotta, steel and tile. $165,000. E. Groves, Foster Bldg., Denver, archt. Noted May 24.

Colo., Ft. Collins—High School—School Dist. 5, Larimer Co. having plans prepared by W. N. Bowman, Central Savings Bank Bldg., Denver, for high school. $400,000.

Ore., Bishops Meadows — See "Miscellaneous."

California—Theatre—A. A. Cantin, archt. Foxcroft Bldg., San Francisco, preparing sketches for moving picture theatre, San Mateo Co. $150,000. Owner's name withheld.

Calif., Auburn — Hospital, Jail, etc. — Placer Co. defeated $175,000 bonds for hospital and $100,000 for jail and courthouse. Noted Feb. 15.

Calif., Fillmore—High School—Fillmore High School Dist., having plans prepared by N. F. Marsh, Bway. Central Bldg., Los Angeles, high school, rein.-con. $150,000. Noted May 10.

Calif., Fresno—Courthouse—Fresno Co. had preliminary plans prepared by E. Mathewson, Cory Bldg., courthouse addition, fireproof, $200,000 or more. D. M. Barnwell, clk.

Buildings (Continued)

Calif., Glendale—Hotel and Store—H. W. Charlton, archt., San Fernando Bldg., Los Angeles, revising plans 4 story and basement, brick, Lomita St. $165,000. Owners name withheld.

Calif., Glendale—Hotel and Store—Glendale Hotel Co. (recently organized), plans 4 story and basement, brick, California St. $250,000 or more. R. F. Kitterman, 311 North Kenwood Ave., interested. Engineer and architect not selected.

Calif., Huntington Beach—School—Huntington Beach School Dist., soon takes bids 1 and 2 story school, brick. $150,000 or more. Former bids rejected. J. C. Smith, I. W. Hellman Bldg., Los Angeles, archt. Noted June 28.

Calif., Long Beach—Club—Pacific Club, c/o R. Davies and E. J. Baume, archts., Marine Bank Bldg., having preliminary plans prepared club, fireproof, probably 8 story. To exceed $150,000.

Calif., Los Angeles—Apartment—S. Reis, c/o Monaco & Bordeaux, archts., Bank of Italy Bldg., having plans prepared 4 story and basement, brick, Serrano St. $150,000.

Calif., Los Angeles—High School—City had plans prepared by Russell & Alspaugh, Story Bldg., group of 3 buildings, 1 and 2 story, for Sawtelle High School, Texas and Bonneville Sts. $350,000.

Calif., Los Angeles—Hospital—St. Vincent Hospital, 1151 Sunset Blvd., having plans prepared by J. G. Austin, Baker-Detwiler Bldg., group of hospital buildings and separate structure for heating plant, rein.-con., brick and steel, Sunset Blvd. $1,000,000 or more.

Calif., Los Angeles—Hotel—Syndicate having plans prepared by Russell & Alspaugh, Story Bldg., 11 story and basement, 60 x 96 ft., rein.-con., 6th and Columbia Sts. $400,000.

Calif., Los Angeles—Loft and Store—Revolving Fund Corp., c/o W. D. Lee, archt., Sun Drug Bldg., soon takes bids 6 story and basement, 95 x 160 ft., rein.-con., Winston and San Pedro Sts. Noted June 7.

Calif., Los Angeles—School—City had plans prepared by Morgan, Walls & Morgan, Van Nuys Bldg., 3 story, brick, 24 classrooms and auditorium, Washington and Hope Sts. To exceed $250,000.

Calif., Los Angeles—School—City had plans prepared by Noerenberg & Johnson, Los Angeles Ry. Bldg., 3 story (ultimately 6 story), rein.-con. and brick, incl. gymnasium and auditorium, 16th St. To exceed $300,000.

Calif., Los Angeles—Store—E. O. Palmer, 6424 Yucca St., had plans prepared by Allison & Allison, Hibernian Bldg., 4 story and basement, rein.-con. To exceed $250,000.

Calif., Marysville—High School—Feather River Union High School Dist., having plans prepared by Dean & Dean, City Library Bldg., 9th and I Sts., Sacramento, high school, probably fireproof. $150,000 or more.

Calif., Oakland—Store and Hall—Central Bank, Central Bank Bldg., plans 2 story, fireproof, Bway, near 19th St. $150,000. Engineer and architect not selected. W. L. Sweet, 480 20th St., lessee.

Calif., Pasadena—Home—National Benevolent Assn., c/o R. H. Orr, archt., Corporation Bldg., Los Angeles, having plans prepared group of buildings, brick and stone. $250,000.

Calif., Petaluma—Bank—Sonoma Co. Natl. Bank, c/o H. H. Winner Co., Sharon Bldg., San Francisco, having plans prepared 1 story and basement, rein.-con. $150,000.

Calif., Pomona—School—Pomona High School Dist. to vote on $150,000 bonds for additional buildings at high school.

Calif., Redondo—School—Redondo High School Dist. having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, 2 story, brick. $150,000.

Calif., Richmond—Lodge—Masonic Hall Assn., c/o J. T. Narbett, archt., 910 Macdonald Ave., having plans prepared lodge, fireproof, Nevin St. near 7th St. $150,000.

Calif., Sacramento—Club—Sacramento Athletic Club, c/o L. Starks, archt., Ochsner Bldg., having plans prepared 4 story and basement, rein.-con. $600,000.

Calif., Sacramento—Office—Lawyers Co-operative Assn. of Sacramento, c/o E. C. Hemmings, archt., Ochsner Bldg., having preliminary plans prepared 7 story and basement, rein.-con., brick and terra cotta, 7th St. between I and J Sts. $200,000.

Calif., Sacramento—Store and Lodge—Elks Club, c/o E. C. Hemmings and L. F. Starks, archts., Ochsner Bldg., having plans prepared 5 story and basement, 100 x 160 ft., fireproof, 11th and J Sts. $1,000,000.

Calif., Sacramento—Theatre—Paramount Corp., c/o L. Starks, archt., Ochsner Bldg., takes bids in September, theatre, rein.-con. and steel, K St. near 10th St. $350,000. Noted June 1.

Calif., San Francisco—Apartment—C. H. Barrett, archt., Hotel Washington, preparing plans 6 story and basement, concrete, Bush and Mason Sts. $150,000. Owner's name withheld.

Calif., San Francisco—Apartment—M. Gnecco, 180 Jessie St., having plans prepared by E. E. Young, 2002 California St., 5 story and basement, rein.-con., Bway. between Webster and Steiner Sts. $150,000 or more.

Calif., San Francisco—Apartment—L. B. Ham, 105 Montgomery St., had plans prepared 6 story and basement, concrete, Sutter and Leavenworth Sts. $150,000. Private plans.

Calif., San Francisco—Apartment—G. Perego, 159 Sutter St., had plans prepared by W. C. Mahoney, 892 Union St., 5 story and basement, brick. Washington St. near Franklin St. $150,000 or more.

Calif., San Francisco—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., having plans prepared telephone exchange, Bush and Larkin Sts. $300,000. Private plans.

Calif., San Francisco—Office—Pacific Telephone & Telegraph Co., 333 Grant Ave., having preliminary plans prepared 20 story, New Montgomery St. $2,000,000. Private plans.

Calif., Stockton—City Hall—City Council rescinded contract for city hall, fireproof, on block bounded by El Dorado, Center, Fremont and Lindsey Sts. $600,000. J. Pearce, J. Losekann and P. Sala, Delta Bldg., archts. Noted July 5.

Calif., Stockton—Store—F. W. Woolworth Co., Rialto Bldg., San Francisco, plans store, Main St., here. $150,000.

Calif., Ventura—Bank—Bank of Italy, Powell and Market Sts., San Francisco, plans 1 or 2 story, 50 x 100 ft., probably rein.-con. with terra cotta exterior. $150,000 or more. W. Cuneo, 550 Montgomery St., San Francisco, constr. mgr.

Que., Montreal—Office—Bleury-Concord Co., Ltd., c/o A. L. Caron, 168 St. Catherine Rd., Outremont, takes bids in July, 10 story, 112 x 136 ft., steel, Bleury St. $700,000.

Que., Montreal—Temple—Masonic Temple Order of Province of Quebec plans 100 x 130 ft. $500,000. J. J. York, 2275 Notre Dame St. E., chn. building com.

Que., Outremont—School—Bd. Protestant School Trustees plans 4 story, Lajoie St. $300,000. R. A. Eaton, chn.

Ont., Oshawa—School—Bd. Educ. having plans prepared by Hutton & Souter, Bank of Hamilton Bldg., Hamilton, 2 story and basement, rein.-con., brick and steel, Simcoe St. N. $150,000.

Ont., Timmins—School—Timmins High School Bd. receiving competitive sketches 2 story and basement, 8 room rein.-con. and brick, plain foundation. $150,000-$200,000.

Ont., Toronto—Office—Manufacturers' Life Insurance Co., Dominion Bank Bldg., having plans prepared by Sproatt & Ralph, 36 North St., 8 or 10 story, rein.-con. or structural steel and brick, plain foundation, Bloor St. E. $1,000,000.

Ont., Toronto—School—St. Columba Presbyterian Church, c/o W. A. MacTaggart, pastor, 227 Westmount Dr., plans Sunday School, rein.-con., brick and steel. $150,000. Engineer and architect not selected.

Ont., Trenton—School—Bd. Educ. plans 2 story and basement, 8 or 10 room, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Ware—High School—July 24, by School Building Comn. at office of Ware Woolen Co., 10 Maple St., for junior high school, 2 story and basement, 60 x 100 ft. with 40 x 70 ft. addition, rein.-con. and brick, plain foundation. $200,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, archts. Noted June 21.

Conn., Hartford—Business—Nirenstein & Schwartz, 1247 Main St., taking bids and opens same about July 14, 3 story, 60 x 120 ft., brick and steel, plain foundation, Main St. $150,000. Berenson & Moses, 30 Allyn St., archts. Noted Jan. 18.

Conn., Mansfield—Hospital, etc.—July 16 by F. M. Salmon, comptroller, State Capitol, Hartford, 3 story nurses' home, $195,000; 2 story dormitory $105,000; 2 story hospital, $140,000; all foregoing brick, plain foundations, at Mansfield State Training School, here. Noted Mar. 29.

N. Y., Fultonville—School—July 17, by Bd. Educ. new Union Free School. To exceed $150,000. G. W. Conable, 46 West 24th St., New York City, archt. Noted Feb. 1.

N. Y., New York—Apartment—Bandes Bros., c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., 5 story, brick, steel and stone, plain foundation, St. Nicholas and Wadsworth Aves. $150,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Schools—July 24, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 74, Crotona Ave. and East 189th St., also P. S. 79, East 181st St. between Morris and Creston Aves., here. Noted June 7.

N. Y., Palmyra—School—July 20, by Bd. Educ., new school. $250,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs.

N. Y., Southold—School—Bd. Educ. taking bids and opens same about July 27, brick, steel and stone, plain foundation $150,000. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs.

Pa., Indiana—Theatre—Jefferson Theatre Co., c/o P. McCartney, Punxsutawney, will build 2 story, 71 x 200 ft. brick and tile, here, by separate contracts. $165,000. I. Lempert, Cutler Bldg., Rochester, N. Y., archt. Noted April 26.

Pa., Pittsburgh—Welfare—July 20, by T. Pringle, archt., Renshaw Bldg., 8 story and basement, 80 x 120 ft., brick and steel, 2nd, 3rd and Cherry Sts., for Salvation Army, 324 Diamond St. $500,000.

Ky., Louisville—Temple—July 16, by Joseph & Joseph, archts., Francis Bldg., 7 story, 200 x 260 ft., steel, Bway., for Kosairs Assn. $1,750,000. Noted June 7.

O., Painesville—Hospital—July 18, by Lake Co. Hospital Assn., c/o L. J. Spaulding, clk., Court House, 3 story and basement, brick, steel and concrete. $200,000. F. C. Warner, Hippodrome Annex Bldg., Cleveland, archt. Noted May 17.

Ill., Evanston—Apartment—A. H. Quitsow, archt., 11 South La Salle St., Chicago, receiving bids 3 story and basement, 120 x 146 ft., fireproof, Clyde St. near Howard St. $190,000. Owner c/o archt.

Ill., Evanston—Apartment—A. H. Quitsow, archt., 11 South La Salle St., Chicago, taking bids 3 story and basement, 118 x 120 ft., fireproof, Clyde St. near Howard St. $150,000. Owner c/o archt.

Wis., Burlington—Memorial Hospital—July 18, by Memorial Hospital Assn., 2 story and basement, 35 x 70 ft. and 44 x 50 ft., brick, tile and concrete, plain foundation. $150,000. M. F. White, 708 Trust Co. Bldg., Milwaukee, archt. Noted Jan. 4.

Wis., Kenosha—Temple—R. G. Schmid & Co., archts., 77 West Washington St., Chicago, taking bids 2 story, 82 x 120 ft., brick, stone and concrete, plain foundation, for Masonic Temple Bldg. Assn. R. Y. Cooper, chn. building com. $150,000. Noted May 31.

Wis., Manitowoc—Hospital—E. Brielmaier & Sons Co., archts., 432 Bway., Milwaukee, taking bids 4 story and basement, 50 x 250 ft., brick and concrete addition, plain foundation, for Holy Family Hospital, c/o Franciscan Sisters, Route 1. $300,000. Noted June 7.

Wis., Weyauwega—School—Aug. 1, by School Bd., 2 story and part basement, 100 x 154 ft. brick, tile and concrete, plain foundation. Auler & Jensen, F. R. A. Bldg., Oshkosh, archts. Noted Apr. 12.

Ia., Boone—High School—July 20, by R. T. Duckworth, secy. School Bd. 2 story and basement, rein.-con., brick and stone addition, plain foundation. $155,000. Dougher, Rich & Woodburn, 320 Valley Natl. Bldg., Des Moines, archts.

Minn., Chisholm—Municipal—July 16, by G. K. Trask, mayor, 1 and 2 story and basement, 142 x 241 ft., brick and steel, $175,000. E. C. Gilinson, 600 Torrey Bldg., Duluth, archt. and engr.

Mo., Springfield—Hospital—July 15, by A. Davis, pastor Homes Methodist Episcopal Church, 608 Jefferson Ave., 3 story and basement, fireproof. $225,000. C. C. Dearing, Boston, Mass., archt. Noted May 3.

Tex., Corsicana—Schools, etc.—Aug. 7 by Bd. Educ., constructing High School, 14 class rooms, 2 study halls, 11 special rooms; Sam Houston School, 15 class rooms and auditorium; W. B. Travis School, 10 class rooms and auditorium; Fred Douglas School, 13 class rooms and auditorium; all concrete, steel and brick. $600,000. Noted Mar. 3.

Tex., Dallas—Dormitories—Flint & Broad, archts. and engrs., Andrews Bldg., taking

Buildings (Continued)

bids for four dormitories, 3 story and basement, 61 x 100 ft., brick, concrete and tile, for Buchners Orphans Home. $260,000. Noted Jan. 18.

Tex., Dallas—High School—Aug. 15, by Bd. Educ., 2 story and basement, brick, stone and rein.-con., plain foundation, Hampton Rd. $150,000. Dewitt & Lemmon, Southwestern Life Bldg., engrs. and archts.

Tex., Dennison—Hotel—July—19, by Barnett, Haynes & Barnett, archts., Century Bldg., St. Louis, Mo., 6 story, 50 x 150 ft., rein.-con. and brick, plain foundation, for Dennison Hotel Co. $175,000. Noted Apr. 26.

Tex., Ft. Worth—Sanitarium—Nov. 1, by Methodist Conference, c/o W. E. Williams, Texas State Bank, 10 story and basement, x shape, rein.-con. and brick, plain foundation. $1,000,000. W. G. Clarkson, 1st Natl. Bank Bldg., engr. and archt. Noted Sept. 21.

Tex., Ft. Worth—July 20, by Y. M. C. A., 914 Monroe St., 4 story and basement, 100 x 145 ft., rein.-con., concrete, steel, stone and brick, plain foundation, 5th and Lamar Sts. $300,000. W. G. Clarkson, 1st Natl. Bank, archts. and engrs. Noted June 7.

Calif., Long Beach—Hospital—July 19, by City Council, rein.-con. hospital, State St. $160,000. Davies & Baum, 514 Marine Bank Bldg., archts.

Calif., Los Angeles—High School—July 25, by Bd. Educ., Fremont High School, brick and rein.-con. To exceed $300,000. E. Bergstrom, Citizens Natl. Bank Bldg., archt.

Calif., Monterey—Hotel—O'Brien Bros., Inc., archts., 315 Montgomery St., San Francisco, receiving bids 3 and 4 story rein.-con. and hollow tile, here, for R. Jacks, c/o architects. $250,000. Noted Mar. 29.

Calif., San Francisco—Store, Loft, etc.—O'Brien Bros., Inc., archts., 315 Montgomery St., receiving bids 2 story and basement, store, loft and auto stage terminal, rein.-con., Jessie and 5th Sts., for L. B. Lurie, c/o architects. $200,000. Pickwick Corp. and Pacific Auto Stage Lines, 3730 Mission St., lessee. Noted June 14.

Calif., San Francisco—Store and Office—W. B. Wagnon, 317 Bush St., will build 3 story, basement and mezzanine, rein.-con., Market St. near 7th St. $150,000. Work will be done by separate contractors. D. C. Coleman, 1171 Market St., archt.

Calif., Los Angeles—Office and Loft—Curlett & Beelman, archts., Union Bank Bldg., receiving bids 4 story and basement, rein.-con., 7th St. and Santa Fe Ave., for Southern California Gas Co., 950 South Bway. To exceed $250,000. Noted May 10.

BIDS RECEIVED

N. Y., Arverne (Far Rockaway P. O.)—School—Bd. Educ., 500 Park Ave., New York, July 5, P. S. 42, East 66th St., here, from Hayson Constr. Co., 44 Court St., Brooklyn, $719,000.

La., Alexandria—Orphans Home—Jones, Roessle & Olschner, archts., Ardis Bldg., June 30, three 2 story buildings, brick and concrete, from J. S. Casey, Shreveport, $384,570. Noted June 21.

La., New Orleans—Clubhouse—B.P.O.E. 30 reconstructing club, Elks Pl., recently destroyed by fire, from J. V. and R. T. Burkes, Carondelet Bldg., $313,313. Improvements proposed include 66 x 124 ft., hollow tile and steel addition to present building, new auditorium, 1,500 seating capacity, and new gymnasium. R. DeBuys, Hibernia Bldg., archt. E. A. Christy, associated archt.

O., Columbus—School—E. L. McCune, clk., Bd. Educ., Town and High Sts., general contract 2 story, 72 x 166 ft., brick and concrete, Markinson and 19th Sts. from E. H. Latham, 60 East Broad St., $106,900; plumbing and heating, from S. A. Esswein Co., 96 West Broad St., $25,051 Noted June 14.

CONTRACTS AWARDED

Mass., Springfield—High School—Com. of City Property, City Hall, 3 story, 85 x 372 ft., brick, plain foundation, Spring St., general contract, to A. E. Stephens, 145 State St., $510,000. Archts. est. $750,000. Noted June 7.

N. Y., Brooklyn—Apartment—D. Weiss, c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build brick, steel and stone, plain foundation, Ave. C, by day labor. $175,000.

N. Y., Buffalo—Apartment—Westbrook Corp., 574 Main St., 10 story, 100 x 200 ft., rein.-con., brick and steel, Delaware Ave., to D. P. Robinson & Co., Grand Central Palace, New York City, to exceed $600,000.

N. Y., Carthage—School—Bd. Educ. general contract brick, concrete and steel, to T. F. Breslin Co., Woolworth Bldg., Watertown, $160,000. Noted Apr. 19.

N. Y., Elmira—Theatre—Messrs. Bernstein, repairs and additions to Mozart Theatre, East Market St., to Lowman Constr. Corp., 312 Railroad Ave., $150,000.

N. Y., New York—Apartments—Ulfond & Lifton, Inc., c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., will build three 6 story, brick, steel and stone, plain foundations, Convent Ave., by day labor. $225,000 each.

N. Y., Roosevelt—School—Bd. Educ., brick, steel and stone, plain foundation, to L. M. Neckerman, 103 Park Ave., New York. Archts. est. $150,000. Noted May 17.

N. Y., Syracuse—High School—Bd. Contr. & Supply, 17th Ward Junior High School, 2 story and basement, 200 x 300 ft., brick, steel and stone, Fellows Ave., to Jenks & Venton Constr. Co., S. A. & K. Bldg., $587,000. Noted June 28.

Fla., Tampa—High School—Hillsborough Co. School Bd., rein.-con. and brick addition, to Logan Bros., 916 Citizens Bank Bldg., $141,377.

Fla., Tampa—Store—Bentley Gray Dry Goods Co., Tampa and Twiggs Sts., 4 story, rein.-con., Zack and Pierce Sts., to Logan Bros., West and Massachusetts Sts., $150,000.

La., New Orleans—Passenger Depot and Office—Louisiana Navigation Ry. Co., 1 story, 48 x 156 ft. ticket office and waiting room station, and 1 story, 53 x 86 ft. baggage and express office, both concrete, steel and brick, Girod and South Rampart Sts., to J. Fromherz, Title Guaranty Bldg. Archts. est. $150,000.

La., Shreveport—Office—D. Ricou, Merchants Bldg., 6 story and basement, 120 x 150 ft., terra cotta, rein.-con. and brick, plain foundation, Milam and Marshall Sts., to Standard Constr. Co., Shreveport, $380,000.

Tenn., Memphis—Club, etc.—Ridgeway Golf & Country Club, 2 story, 60 x 125 ft., frame, Poplar Pike, to R. F. Creson & Co., Turley Bldg., $150,000.

Tenn., Nashville — Dormitory — Peabody College for Teachers, 3 story and basement, brick and rein.-con., to Hageman-Harris Constr. Co., Independent Life Bldg., $160,000. Archts. est. $150,000.

Tenn., Nashville — Gymnasium, etc. — Ward-Belmont College for Girls, 1 story brick, concrete and stone gymnasimu, and 2 story, stucco and tile club house, Campus, to Foster-Creighton Constr. Co., 4th and 1st Natl. Bank Bldg., $150,000.

Tenn., Nashville—Office and Bank—Natl. Baptist Sunday School Bd., 3 story, brick, rein.-con. and steel, to Windham Bros. Constr. Co., 728½ 8th Ave., Birmingham, Ala., $350,000.

Ky., Louisville — Apartment — Argonne Apartments, Inc., 4 story, 100 x 150 ft., brick, 1st and Chestnut Sts., to R. N. Struck Constr. Co., 112 East Main St. Est. cost $300,000. Noted June 6.

Ky., Louisville—Office—Avery Building Assn., 521 West Market St., 3 story, 45 x 204 ft., 515-17 West Market St., to Struck Constr. Co., 112 East Main St. Est. cost $200,000. Noted June 28.

O., Athens—High School—Bd. Educ., 2 story and basement, 83 x 171 ft., brick and concrete, to Bart & Davidson, Athens, $210,000. Noted June 28.

O., Gallipolis—Cottage, Hospital, etc.—J. E. Harper, dir. Dept. Pub. Welfare, 9th and Oak Sts., Columbus, to E. Elford, 307 East Gay St., Columbus, 2 story and basement, 30 x 130 ft. cottage $67,495, 2 story and basement hospital, $73,995, 1 story and basement, 80 x 130 ft. laundry, $36,995 brick and concrete, at Ohio State Hospital for Epileptics, here. Noted July 5.

O., Lakewood (Cleveland P. O.)—Commercial and Theatre—Greenwald & Stecker, c/o S. H. Stecker, Society for Savings Bldg., Cleveland, 2 story, 95 x 170 ft., brick, steel and concrete, Detroit and Woodward Aves., here, to Krinsky & Sadia, 1837 East 86th St., Cleveland. Archts. est. $175,000. Noted May 17.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and part basement, 79 x 101 ft. and 82 x 144 ft., brick, steel and rein.-con. addition, plain foundation, Fullerton Ave., to Rosenarne, McNab & Worswick, Congress and Riopell Sts., $354,520 Noted July 5.

Ill., Chicago—Apartment—A. L. Himelblau, archt., 30 North Dearborn St., two 3 story, 120 x 125 ft., fireproof, Lake Shore Dr., to S. Fishkin, 3059 Ainslie St., Addison St. Archts. est. $300,000.

Ill., Chicago—Office and Store—Owner c/o W. H. Wilson, 845 Euclid Ave., 16 story and basement, fireproof, Lake Shore Dr., to Wells Bros. Constr. Co., 53 West Jackson St. Archts. est. $8,000,000.

Wis., Waupun—Club—Schaumburg Country Club, 1801 West 35th St., Chicago, will build 4 story, 75 x 150 ft., brick and rein.-con., plain foundation, by day labor, here $150,000. W. F. Bossman, 419 32nd St., Beaver Dam, archts. Noted June 21.

Wis., Milwaukee—Apartment—A. Dammann, 207 17th St., 3 story, 45 x 100 ft., brick and concrete, plain foundation, to Jahns & Knuth, 1915 Chestnut St. Archts est. $150,000.

Wis., Milwaukee — Science, etc.—Marquette University, 1115 Grand Ave., 4 story and basement, 100 x 150 ft. science building, to W. W. Oeflein, 86 Michigan St. archts. est. $300,000; 3 story and basement 50 x 100 ft. law school, Grand Ave., to E. S. Steigerwald Co., 3603 Vliet St., archts. est. $150,000; both brick, tile and concrete plain foundations.

Wis., Milwaukee—Store and Office—B. E. Nicholl, 109 Wisconsin St., 10 story and basement, 42 x 100 ft., brick and concrete plain and wood pile foundation, to H. Schmitt & Son, 430 Farwell Ave. Archts est. $325,000. Noted June 14.

Minn., Minneapolis—Apartment—Realty Syndicate, Inc., 733 Plymouth Bldg., 3 story and basement, 112 x 130 ft., brick and tile., 1814 1st Ave. S., general contract to Fleisher Constr. Co., 1000 Builders' Exchange. Total $150,000.

Minn., Minneapolis—Apartment Hotel—H. S. Goldie, 910 Newton Ave. N., interested in syndicate which let contract 6 story and basement, 120 x 250 ft., brick and tile, West Lake St. and Dean Blvd., to Standard Home Bldg. Co., Andrus Bldg. Archts. est. $1,300,000.

Mo., St. Louis—Theatre and Store—M. Loew, 1540 Bway., New York City, 3 story and mezzanine, 125 x 150 ft., rein.-con. and brick, concrete pile foundation, Washington Ave., structural steel to Mississippi Valley Steel Co., Arcade Bldg.; erecting steel to Ben Hur Erecting Co., 4006 Natural Bridge Rd. T. W. Lamb, archt., 644 8th Ave., New York City will supervise subcontracts. Archts. est. $1,000,000. Noted May 21.

Tex., Ft. Worth—Apartment—L. E. Callicotte, Burkburnett Bldg., general contract 4 story and basement, 70 x 100 ft., rein.-con., brick and steel, plain foundation, to J. H. Rogers, 2209 College St., $100,000. Archts. total est. $150,000.

Okla., Oklahoma City—Bank—Farmers Natl. Bank, Grand and Robinson Sts., 3 story and besement, brick, to Gross Constr. Co., 619 West Main St., $150,000.

Colo., Denver—Hospital—State Hospital Comn., general contract 3 story and basement, 130 x 232 ft., brick and rein.-con., to A. Simpson, Colorado Natl. Bank Bldg., $224,857. Noted May 24.

Wash., Everett — Hospital — Providence Hospital Assn., 4 story, brick and concrete, to A. W. Quist & Co., Hoge Bldg., Seattle Archts. est. $300,000.

Wash., Seattle — Hotel—United Hotels Co., 25 West 45th St., New York City, brick, steel and stone, plain foundation, here, to Grant-Smith & Co., Henry Bldg. Archts. est. $3,000,000. Noted Nov. 2.

Calif., Los Angeles—Office—W. M. Garland, 749 South Spring St., 12 story, brick and steel, Main and 9th Sts., to P. J. Walker, Merchants Natl. Bank Bldg. Engrs. est. $850,000. Noted Feb. 22.

Calif., Los Angeles—Store, Office, etc.—Southwestern University, Wilcox Bldg., 5 story and basement, rein.-con., South Hill St., general contract to C. L. Peck, H. W. Hellman Bldg., $125,000.

Calif., Oakland—Store and Hotel—M. F. Smith, 1001 Excelsior Ave., will build 6 story and basement, rein.-con. and steel, Oak and 12th Sts., by day labor. $250,000.

Calif., San Francisco—Theatre and Store—S. S. Levin, c/o Reid Bros., archts., 105 Montgomery St., 1 and 2 story, 137 x 282 ft., rein.-con. and brick, Union St. near Buchanan St., general contract to G. B. Pasqualetti, 2330 Larkin St. Noted Mar. 29.

Calif., San Jose—Home—Home of Benevolence, 11th and Martha Sts., 2 story, frame and stucco, 11th St., to J. C. Thorp, Auzerais Bldg., $150,000.

Buildings (Continued)

Calif., Santa Barbara—Schools—Santa Barbara Grammar School Dist., constructing Washington and Franklin Schools and kindergarten structure, concrete and brick, general contract to D. R. Wagner, New Call Bldg., San Francisco, $294,579. Noted Apr. 12.

Federal Government Work

PROPOSED WORK

N. Y., Buffalo—Dredging, etc.—U. S. Engineer, rejected bids June 20, dredging and rock removal in Black Rock Channel. Noted July 5.

D. C., Wash.—Generators, etc.—Chief of Engineers, U. S. A., 2825 Munitions Bldg., rejected bids seven 150 kw. and 300 kw. Diesel generating sets complete with auxiliaries, etc. Noted June 28.

Va., Fortress Monroe—Water Development—Constructing Quartermaster plans completion and improvement Big Bethel water development.

N. C., Wilmington—Dredging—U. S. Engineer, rejected bids dredging in Scuppernong River. Noted May 24.

Ill., Great Lakes—Laundry—Spec. 4877—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans remodeling laundry at Naval Hospital, here.

Ark., Little Rock—Hospital—Constructing Quartermaster, having plans prepared 200 bed addition to present U. S. Veterans' Hospital, here.

Calif., San Diego—Quay Wall—Spec. 4880—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans quay wall at Naval Station, here.

Virgin Islands — Wharf — Spec. 4878 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans rebuilding wharf here.

BIDS DESIRED

N. H., Concord—Remodeling—Aug. 8, by J. A. Wetmore, acting superv. archt. Treas. Dept., Wash., D. C., remodeling Post Office, here.

Pa., Williamsport—Alterations—July 24 by Treas. Dept., Wash., D. C., alterations to heating plant in U. S. Post Office, Court House, etc., here. J. A. Wetmore, acting superv. archt.; adv. this issue.

La., New Orleans—Dikes, etc.—Aug. 4 at office U. S. Engineer, 329 Custom House, dikes and mattresses at head of South Pass; adv. this issue.

Md., Annapolis — Tower — Spec. 4876—July 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., rattail anchor tower, here.

Md., Baltimore—Dredging—Aug. 13, at office U. S. Engineer, dredging 2,000,000 cu.yd. from entrance channel, here.

Va., St. Juliens Creek—Buildings—Spec. 4855—Aug. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., buildings, here.

S. C., Spartanburg—Extension—Aug. 6, by Treas. Dept., Wash., D. C., extension to U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Tenn., Memphis—Cement—July 21, office Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., 60,000 sacks cement; adv. this issue.

Mich., Alpena—Breakwater—July 30, by U. S. Engineer, 337 Federal Bldg., Detroit, rubble mound breakwater, 1,030 ft. long at southerly side of river mouth, 11,700 tons core and 10,300 tons Armor stone, etc., here.

Wis., Fond du Lac—Driveway—Aug. 7, by J. A. Wetmore, acting superv. archt. Treas. Dept., Wash., D. C., driveway at Post Office, here.

Wis., Neenah—Water System—Aug. 7, by J. A. Wetmore, acting superv. archt. Treas. Dept., Washington, D. C., water system at Post Office, here.

N. M., Albuquerque—Remodeling—July 31, by Treas. Dept., Wash., D. C., remodeling in basement, etc. U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Calif., San Diego—Roads and Walks—Spec. 4871—July 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks, at NOB Hospital, here.

Calif., San Diego—Road—Spec. 4844. July 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing Training Sta. Rd., here. Noted May 18.

Calif., San Diego—Screening—Spec. 4870—July 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., screening Wards C and D and service building, at Naval Hospital, here.

BIDS RECEIVED

N. H., Manchester—Remodeling—Treas. Dept., Wash., D. C., remodeling U. S. Post Office, here, from Garber & Cissell, Bethlehem, Pa., $16,200.

Md., South Baltimore (branch of Baltimore)—Barrack, etc.—U. S. Coast Guard Serv., for barrack and accessories, at U. S. Coast Guard Sta., here, from Pamfilis Contg. Co., 415 Equitable Bldg., Baltimore, $35,400 (150 days) Alt. No. 3 $47,000.

La., New Orleans—Pumps—U. S. Engineer, 329 Custom House, furnishing two 20 in. dredging pumps, from Ellicott Machine Corp., Bush and Seyvrn Sts., Baltimore, Md., $11,530. Noted June 14.

Tex., Galveston—Jetty—U. S. Engineer, June 22 jetty repairs in Galveston Harbor, from D. M. Picton & Co., Inc., Port Arthur, $291,070. Noted May 24.

Colo., Denver — Steps — Treas., Dept., Wash., D. C., furnishing and setting granite steps, U. S. Post Office, here, from C. E. Goodhand, Ord. Neb., $4,950 (100 days). Noted June 14.

Arizona—Road—E. S. Wheeler, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, clearing, grading, etc., 7.57 mi. Clifton-Springerville Highway, Apache National Forest, Apache Co., from W. M. Tenney, Jr., Alpine, 26,738 cu.yd. common excav. $0.37, 200 cu. yd. Class D concrete, $17, etc., total. Condition B, $32,534. Noted June 14.

Washington—Road—C. H. Purcell, dist. engr. U. S. Bureau Pub. Rds., Post Office Bldg., Portland, Ore., grading and surfacing 1.9 mi. Blewett Pass Project, Sect. 5, National Forest Rd., Wenatchee Forest Reserve, from Burke, Sengfelder & Berry, Wenatchee, 7,700 cu.yd. rock excav. $1.48, 13,000 cu.yd. common excav. $0.57, 4,400 cu.yd. surfacing $2.19, etc., total $49,108.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer dredging in Harbor, to Morris & Cummings Dredging Co., 17 State St., New York City, $178,840. Noted June 28.

N. Y., Geneva — Treas. Dept., Wash., D. C., remodeling Post Office, here, to Pearce Bros., Inc., 220 West 42nd St., New York City, $15,833 (4 month). Noted June 28.

N. Y., New York—Dredging, etc.—U. S. Engineer, 39 Whitehall St., dredging and rock removal in East River, to New Jersey Shipbuilding & Dredging Co., foot of 28th St., Bayonne, N. J., $468,600. Noted May 31.

Pa., Carlisle — Bakery — Constructing Quartermaster, bakery here to H. A. Lackey, Carlisle, $12,060.

Pa., Phila.—Engine Testing Laboratory—Spec. 4845—Bureau Yards & Docks, Navy Dept., Wash., D. C., engine testing laboratory, at Navy Yards, here, to Newport Contg. and Eng. Co., Law Bldg., Newport News, Va., $82,145 (180 days). Noted July 5.

Md., Perryville — Piping — Treas. Dept., Wash., D. C., installing underground steam piping, etc., at U. S. Veterans' Hospital, here, to Enterprise Steam and Hot Water Heating Co., 600 North Howard St., Baltimore, $18,625. Noted June 28.

D. C., Wash.—Altering, etc.—J. A. Wetmore, acting superv. archt., Treas. Dept., altering and repairing roof of Auditors Building, to Wolfsteiner Co., Inc., 1315 W St., N. W., $9,793 (90 days).

Va., Leesburg—Post Office—Treas. Dept., Wash., D. C., construction U. S. Post Office, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $34,261. Noted June 7.

Va., Norfolk—Dredging—U. S. Engineer, dredging channel in Harbor, here, to Morris & Cummings Dredging Co., 17 State St., New York City, $308,700. Noted May 24.

Ala., Anniston—Extension—Treas. Dept., Wash., D. C., extension to Post Office, here, to Algernon Blair, 11 South Lawrence St., Montgomery, $17,971 (150 days). Noted June 7.

Ala., Huntersville — Extension — Treas. Dept., Wash., D. C., extension to Post Office, here, to Garber & Cissel, Inc., Bethlehem, Pa., $16,750. Noted May 24.

La., Baton Rouge—Remodeling, etc.—Treas. Dept., Wash., D. C., remodeling and enlarging Post Office, here, to Garber & Cissel, Inc., Bethlehem, Pa., $16,700 (4 months). Noted May 24.

La., New Orleans—Dredging—U. S. Engineer, 329 Custom House, dredging Calcasien Sabine Sect. Intracostal Waterway, to Atlantic Gulf & Pacific Co., Park Row Bldg., New York City, $350,200. Noted June 14.

Miss., Vicksburg—Levee Work—Third Mississippi River Dist., P. O. Box 404, Chicora enlargement in Arkansas, 100,000 cu.yd. excav., to Roach, Stansell & Lawrence Bros., North Memphis Savings Bank Bldg., Memphis, Tenn., $0.847; Hagaman enlargement in Louisiana 300,000 cu. yd. excav., to Clark & Aderholt, P. O. Box 287, Natchez, $0.2875. Noted June 21.

Mich., Detroit—Remodeling—Treas. Dept., Wash., D. C., remodeling building and apparatus, Old Federal Bldg., here, to J. A. Hurley Co., Flint, $47,800.

Mich., Detroit—Widening—U. S. Engineer, widening Livingston Channel Detroit River, to J. B. Breyman, 2052 Robinwood Ave., Toledo, O., $293,780.

Mich., Marquette—Breakwater—U. S. Engineer, Custom House, Duluth, Minn., repairs to breakwater, here, to Tidurocher Co., Detour, $62,379. Noted June 28.

Ill., Belleville—Post Office—Treas. Dept., Wash., D. C., for Post Office, here, to Universal Constr. Co., Fort Wayne, Ind., $14,240 (120 days).

Minn., St. Cloud—Hospital—Spec. 4828—Bureau Yards & Docks, Navy Dept., Wash., D. C., hospital group for U. S. Veterans Hospital, here, construction and additional work, under items 7a, 7c, 7d, 8 and 8a, to Carter-Halls-Aldinger Co., Ltd., 706 1st Ave., North Minneapolis, $519,656; heating, plumbing and boiler house equipment incl. items 10, 11a, 11b, 11c, 11d, 12, 13a, 13b, 13c and 16, to H. Kelly & Co., 925 Plymouth Bldg., Minneapolis, $197,851. This corrects report in June 28 issue.

Minn., St. Cloud—Roads and Walks—Spec. 4831—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks at U. S. Veterans' Hospital, here, to Carter-Halls-Aldinger Co., Ltd., 706 1st Ave., North Minneapolis, $35,729 (400 days). Noted May 31.

Kan., Pratt—Post Office—Treas. Dept., Wash., D. C., for Post Office, here, to E. Zimerli, 151 Cowper St., Palo Alto, Calif., $43,200 (12 months). Noted May 31.

Mo., Columbus—Post Office—Treas. Dept., Wash., D. C., for Post Office, here, to Griffiths Constr. Co., Odd Fellows Bldg., St. Louis, $15,750 (120 days).

Tex., Ft. Bliss—Additions and Alterations—Constructing Quartermaster, William Beaumont General Hospital, here, 2 sets non-commissioned officers quarters, to Jennings Constr. and Eng. Co., Martin Bldg., El Paso, $8,971; gymnasium to Anderson Constr. Co., El Paso, $15,344.

Ark., Hot Springs—Buildings—Constructing Quartermaster, Army and Navy General Hospital, here, general contract one double set officers quarters, physiotherapy building and guard house, to J. D. Brock, Arkadelphia. Noted May 24.

Calif., Los Angeles—Alterations—J. A. Wetmore, acting superv. archt., Wash., D. C., altering building for Internal Revenue Bureau, here, to Lavery Constr. Co., 304 South Bway., $18,642 (120 days).

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Applications

383—E. Blue and N. Traversy, Hyder, Alaska—Want preliminary permit for diversion dam in Soule Glacier River, conduit, powerhouse, and transmission line to Hyder and Stewart, B. C.

384—American Super-Power Corp., Iroquois Bldg., Buffalo, N. Y.—Wants preliminary permit 2 power dams in St. Lawrence River, one near Morrisburg, Ont., other near Massena, N. Y.

385—White & Johnson Constr. Co., Denver, Colo. (street address not available)—Wants license 1 mi. transmission line in White River National Forest, Garfield Co.

386—Unity Gold Mines Co., 120 Bway., New York, N. Y.—Wants preliminary permit diversion dam, conduit and power house in Elk River, Idaho National Forest in Idaho and Valley Counties.

387—Minnesota Utilities Co., Eveleth, Minn.—Wants license 2.5 mi. transmission line in St. Louis Co. crossing Superior National Forest.

388—Ante Up Mining Co., Nevada City, Calif.—Wants license 1.5 mi. transmission line from Middle Yuba Hydro-Electric Co. system to Brush Creek Mine, Sierra Co.

389—Aufderheide et al, 1011 Fletcher Savings & Trust Bldg., Indianapolis, Ind.—Wants preliminary permit 3 dams and powerhouse near Burnside, Ky., at Cumberland Falls, Cumberland River and in South Fork of Cumberland River.

Miscellaneous (Continued)

390—Southern California Edison Co., Edison Bldg., Los Angeles, Calif.—Wants license transmission line from applicants main line to Laguna Bell sub-station here.

391—G. H. Stetson, 8 West 40th St., New York, N. Y.—Wants preliminary permit rock fill dam, 70 ft. high, in Colorado River in Arizona at Bulls Head Rock, 40 mi. above Needles. Total development 168,000 hp.

392—G. H. Stetson, 8 West 40th St., New York, N. Y.—Wants preliminary permit rock fill dam 1,064 ft. above present water surface in Colorado River at Boulder Canyon, Ariz., to store 155,000,000 acre feet. Total development 1,600,000 hp.

393 — San Diego Consolidated Gas & Electric Co., Timken Bldg., San Diego, Calif.—Wants license transmission line from Delmar to Escondido, crossing public lands in San Diego Co.

Miscellaneous

PROPOSED WORK

Transmission Line—New York—Olean Electric Light & Power Co., Olean, plans transmission lines through Humphrey Twp., Cattaraugus Co. $25,000. Engineer not announced.

Power Development—East Creek, N. Y.—Adirondack Power & Light Corp., 511 State St., Schenectady, plans hydro electric power development to include dam, power house, penstock, etc., here, $1,500,000.

Bulkhead—Far Rockaway, N. Y.—Atlantic Beach Associates, Inc., plans 1,500 ft. bulkhead, on Far Rockaway Bay. J. R. Spelman, 405 Lexington Ave., New York City, consult. and superv. engr.

Subway—Erie, Pa.—Making plans first 3 units Cherry St. Subway. $135,000. F. G. Lynch, city engr.

Municipal Improvements—Huntington, W. Va.—See "Sewers."

Heating Plant, etc.—Raleigh, N. C.—State Hospital for Insane, soon lets contract central heating plant, connecting mains, and heating work in buildings for Colony Group, also new underground electric distributing system. Wiley & Wilson, 907-10 Natl. Bank Bldg., Lynchburg, Va., engrs.

Elevated Railroad—Alabama—Tennessee Coal, Iron & Ry. Co., Brown-Marx Bldg., Birmingham, had plans prepared elevated railroad 5 mi. long, standard guage, running from various iron ore mines in Red Mountain to railroad tracks of Tennessee Coal, Iron & Ry. Co., at Fairfield. $4,000,000. H. C. Ryding, vice-pres.

Hydro Electric Development — Danville, Ky.—Dix River Power Co., subsidiary of Middle West Utilities Co., 72 West Adams St., Chicago, plans 250 ft. dam, and 30,000 k.w. hydro electric plant on Dix River, 2 mi. above its confluence with Kentucky River in Garrard Co. $2-$3,000,000. L. E. Harza, c/o owner, engr.

Grain Elevator—Hopkinsville, Ky.—Acme Mills plan 40x100 ft. grain elevator, 100 ft. high, rein.-con., 200,000 bu. capacity. To exceed $25,000.

Park Improvements—Youngstown, O.—Park Dept. plans miscellaneous park improvements. $30,000.

Playgrounds—Alton, Ill.—Aug. 7 to vote on $40,000 bonds for playgrounds.

Levees, etc.—Wisconsin—State Legislature appropriated $50,000 to strengthen and rebuild levees and dams on Fox and Wisconsin Rivers, Fond du Lac and Winnebago Counties. J. D. Mack, State Capitol, Madison, engr.

Tunnels—Madison, Wis.—University of Wisconsin having plans prepared for new tunnels to connect heating plant with far end of tunnel system and for additional piping, etc. $26,000. A. Peabody, Capitol Bldg., engr.

Swimming Pool, etc. — Wausau, Wis. — City plans 100 x 200 ft. rein.-con. swimming pool, 9 ft. deep, bath house and filtration system in city park, $36,000. Engineer not selected.

Levee—Kennett, Mo.—St. Francis Levee Dist. plans rebuilding 12 mi. levee, 1,000,000 cu.yd. dry earth excav. J. D. Mitchell, Puxico, engr.

White Way, Texas—Dallas and Tarrant Counties plan 25 mi. white way from Dallas to Ft. Worth, 150 concrete standards, cables, etc. $50,000. D. A. Davis, Courthouse, Ft. Worth, co. engr. Nagle, Witt & Rollins, Court House, Dallas, co. engrs.

Park Development—Dallas, Tex.—North Texas Trust Co., c/o C. S. Mitchell, 708 Mercantile Bank Bldg., takes bids about July 15, developing Kessler Park adjoining Kessler Sq. incl. paving, curbs, waterworks, sewers and electric light systems. $200,000. Koch & Fowler, 606 Central Bank Bldg., engrs.

Grain Elevator—Ft. Worth, Tex.—Smith Bros. Grain Co., 6th and Pecan Sts., had plans prepared and soon takes bids grain elevator, 8 concrete tanks and 10 interstices with necessary machinery for handling 125,000 bu., 6th and Pecan Sts. along tracks Atchison, Topeka & Sante Fe R. R. $100,000. Engineer not announced.

White Way — Ft. Worth, Tex. — City Comn. takes bids about Sept. 25 white way in Mistletoe Heights. $50,000. D. L. Lewis, city engr. R. A. Hunter, city light comr.

Athletic Field—Waco, Tex.—Bd. Educ. plans athletic field. $60,000. V. G. Koch, city engr.

Gas System—Fairfax, Okla.—Aug. 8, to vote on $40,000 bonds for high and low pressure gas mains, regulator houses and distributing system together with meters. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Town Site—Bishops Meadow, Ore.—Bowman-Hicks Lumber Co., Wallowa, plans town site 16 mi. north of Wallowa, incl. saw and planing mill, railroad yards and station, electric light and power plant, store, warehouse, hotel, theatre, over 100 dwellings, and sewerage and water systems. $500,000 will be spent during coming year. Address C. B. Miller, La Grande, archt.

Dock and Terminal—Portland, Ore.—Oregon, Washington Ry. and Navigation Co., Wells-Fargo Bldg., plans new Albina St. Dock $228,000 and terminal $197,488. S. Murray, asst. ch. engr., in charge of work.

Transmission Lines—Modesto, Calif.—Modesto Irrigation Dist. plans transmission lines. $500,000. P. Jones, Modesto, ch. engr.

Park Improvements, etc. — Monrovia, Calif.—Plan to vote on $150,000 bonds for park improvements and swimming pool.

Current Retards—Sacramento, Calif.—Recl. Dist. 2047, c/o State Recl. Bd., Forum Bldg., had plans prepared 7 current retards for levee bank protection on Sacramento River. $50,000.

Street Lighting Systems—San Bernardino, Calif.—City having plans prepared street lighting system. To exceed $75,000. C. E. Johnson, city engr.

Wharf—San Francisco, Calif.—State had plans prepared 1 story, wharf extension, creosoted piling, on Islais Creek. $55,000. F. G. White, c/o State Board of Harbor Comrs., Ferry Bldg., ch. engr.

Paving Plant—Vallejo, Calif.—City will appropriate funds for paving plant. T. D. Kilkenny, city engr.

Transmission Line — Ontario — Ontario Hydro Power Comn., 190 University Ave., Toronto, plans power line from Tillsonburg to Courtland. $40,000. A. Beck, London, chn.

Road Machinery—Goderich, Ont.—See "Streets and Roads."

BIDS DESIRED

Revetment — Sacramento, Calif. — City Comrs. receiving bids 547,000 sq.ft. 4 in. concrete revetment with head and toe walls, on water slope of east levee of Sacramento River. A. Givan, city engr.

Paving Materials—St. Paul, Minn.—July 16, by H. W. Austin, city purch. agt., 8,967 sq.yd. creosoted wood blocks, 7,558 sq.yd. 3½ in. creosoted wood blocks, 42,474 sq.yd. 3 in. vertical fibre paving brick, 16,423 bbl. portland cement, 11,869 cu.yd. crushed rock or gravel for concrete base, 7,129 cu.yd. concrete sand, 198,300 lb. asphalt filler for creosoted wood blocks, 509,700 lb. asphalt filler for brick, 120 tons asphalt, 136 tons limestone dust, 163 tons trap rock for paving Raymond Ave., Randolph St., 6th St. from Wabasha to Sibley Sts., from Rosabel St. east to bridge and from Smith to Summit Aves., also alley in Block 7. G. M. Shepard, city engr.

Electroliers—Fresno, Calif.—City Council receiving bids furnishing and installing 155 electroliers in portions of Kerchkoff Ave., Huntington Blvd., etc. $25,000. W. Stranahan, city engr. Noted June 28.

Cement—Napa, Calif.—July 23, by J. A. Daly, clk. Napa Co., 3,000 bbl. cement, f.o.b. Napa.

BIDS RECEIVED

Fan House, etc.—Pittsburgh, Pa.—Allegheny Co., 1 story, 110 x 190 ft. fan house for Liberty Tunnel, 2nd and Ruth Sts., from Williams & Haas, Empire Bldg., $193,859 alternate $181,222; electric power and lighting equipment from Booth & Flinn, 1942 Forbes St., $168,000. Noted June 21.

Shed, etc.—New Orleans, La.—Bd. Port Comrs., 200 New Court Bldg., July 5, steel frame for 140 x 400 ft. shed, from Converse Bridge Co., New Orleans, $27,688; steel rolling doors, from Kinnear Mfg. Co., Hibernia Bldg., $7,796, both for Poland St. landing. Noted June 28.

Completion of Pier, etc.—Phila., Pa.—G. F. Sproule, dir. Dept. Wharves, Docks and Ferries, Municipal Pier 4, South Wharves, completion, with appurtenant work for Porter St. Pier 84, South Wharves, Moyamensing Group, Delaware River, from Frederick Snare Corp., 1524 Chestnut St., $789,350. Noted June 21.

Heating and Ventilating Apparatus—Cincinnati, O.—Bd. Educ., 511 West Court St., heating and ventilating apparatus in Hartwell Public School, from Sodemann Heat & Power Co., 2306 Morgan St., St. Louis, Mo., $43,447; Hughes High School addition, from Williamson Heater Co., 334 West 5th St., $36,190. Noted June 14.

CONTRACTS AWARDED

Underground Conduits—Hornell, N. Y.—Western Union Telegraph Co., 80 Main St., will build underground conduits by day labor. $25,000. Noted July 5.

Asphaltic Cement, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro. Municipal Bldg., 600,000 gal. asphaltic cement, to Warner-Quinlan Co., 79 Wall St., $33,420; 15,000 cu.yd. asphalt wearing surface sand, to Zachary & Mahony, 557 46th St., $18,450; 300,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., $14,247. Noted June 28.

Subway Changes—New York, N. Y.—Transit Comn., 49 Lafayette St., making changes in subway structure at Bway. incidental to widening of West 32nd St. and constructing ventilation flue at West 32nd St. and Bway., Routes 4 and 36, Sect. 1, Manhattan Boro, to Benedetto & Sanesez, Franklin St., Astoria, $29,550. Noted June 28.

Stone Crusher—Trenton, N. J.—Mercer Co., Court House, 24 in. jaw stone crusher, elevators, motor, etc., at Moore Sta., to F. B. Johnson, 669 Princeton Ave., $62,531. Noted June 21.

Steam Line — Scranton, Pa. — Scranton Electric Co., steam mains in various streets, excav. to Sweeney Bros., Miller Bldg., laying mains, to Amer. Dist. Steam Co., Robinson St., Tonawanda, N. Y. Engrs. est. $50,000.

Heating Plant—Greensboro, N. C.—Agricultural & Technical College, installing heating plant, to B. MacKenzie, Greensboro, $125,000.

Structural Steel—Louisville, Ky.—Louisville & Nashville R.R. Co., 10th St. and Bway., 150 tons structural steel for bridge, to Mt. Vernon Bridge Co., Mt. Vernon, O. Engrs. est. $9,000-$10,000. Noted Junt 28.

Dock—Cleveland, O. — Concrete dock, West 3rd St. and Cuyahoga River, to Cleveland Eng. Constr. Co., The Arcade, $31,900. Noted July 5.

Dock Front, etc. — Conneaut Harbor (Conneaut P. O.), **O.**—Bessemer & Lake Erie R.R., at office H. T. Porter, ch. engr., Greenville, Pa., rein.-con. dock front for Dock 1, to Dravo Contg. Co., Diamond Bldg., Pittsburgh, Pa.; dredging portion of channel which lies between present dock front of Dock 1 and new dock front for Dock 1, etc., to Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland. Noted June 7.

Tunnel—Orient, O.—Dept. Pub. Welfare, 9th and Oak Sts., Columbus, ¾ mi. concrete tunnel on grounds of Institution of Feeble Minded, here, to D. W. McGrath & Sons, 255 East Broad St., Columbus, $73,985; heating and piping, to Fitzpatrick & Hoepfer, 63 East Gay St., $70,521. Noted June 7.

Car Barns — Racine, Wis. — Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., Milwaukee, 1 story, 80 x 160 ft. car barn, brick, concrete and steel, to Bondgard & Christensen, Mound Ave. and Mead St. Engrs. est. $100,000. Noted May 31.

Memorial Stadium—Conway, Ark.—Hendrix College, Young Memorial stadium, 5,000 capacity, to F. L. Scull, Conway, $54,000. Engrs. est. $55,000.

Transmission Line, Dockage Facilities, etc.—Port Arthur, Tex.—Eastern Texas Electric Co., to Stone & Webster, Inc., 147 Milk St., Boston, Mass., 22 mi., 7,500 kw., 33,000 volt, 3 phase, single circuit transmission line from here to Beaumont, $269,000; 55,000 bbl. fuel oil tank and additional dockage facilities at Houston Ave. power station; 3 story switchboard bay and new switchboard at Houston Ave. and Riverside Dr. power station, $135,000.

Lime—St. Louis, Mo.—G. Oetting, supply comr., 9,000 tons lime, to Glencoe Lime & Cement Co., Syndicate Trust Bldg., $10.90 per ton. Noted July 5.